

5 Eny

HR 1611

4 57.6

-12

37 4.78 +0.27

402 +390

-734

+603

30 Dec

m_1

c_1

(b-g)

4.78

+0.412

-0.725

-0.026

20 Nov 67

(4.57)

+0.424

-0.714

-0.028

27 "

4.78

+0.378

-0.688

-0.015

2 Jan 67

4.60

+0.391

-0.713

-0.021

21 Dec 67

4.479

+0.401

-0.710

-0.022

200

178

1620

180

1012

1620

$m_V = +0.9$

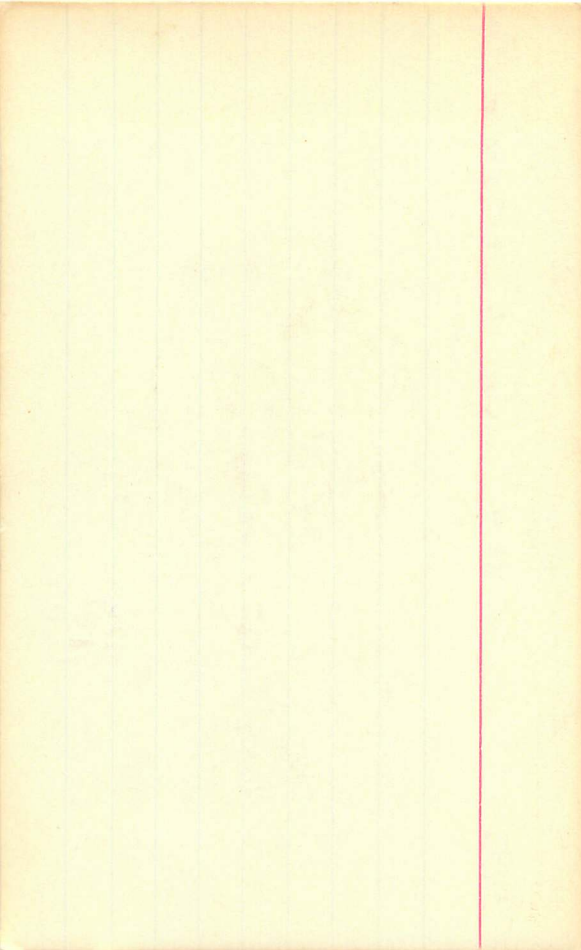
FOT

36
19⁴

28⁸

242 00 48.4 -51 16 5.22+0.38 852

m_1	c_1	$(c_1 - m_1)$	
+0.422	-0.887	+0.039	22 mar 67
5.27	+0.429	-0.875	+0.028
5.27	+0.426	-0.881	+0.034
		220	182
		480	207
		609	274



3015

7 43.3

-14 26 503+0.34

ALM

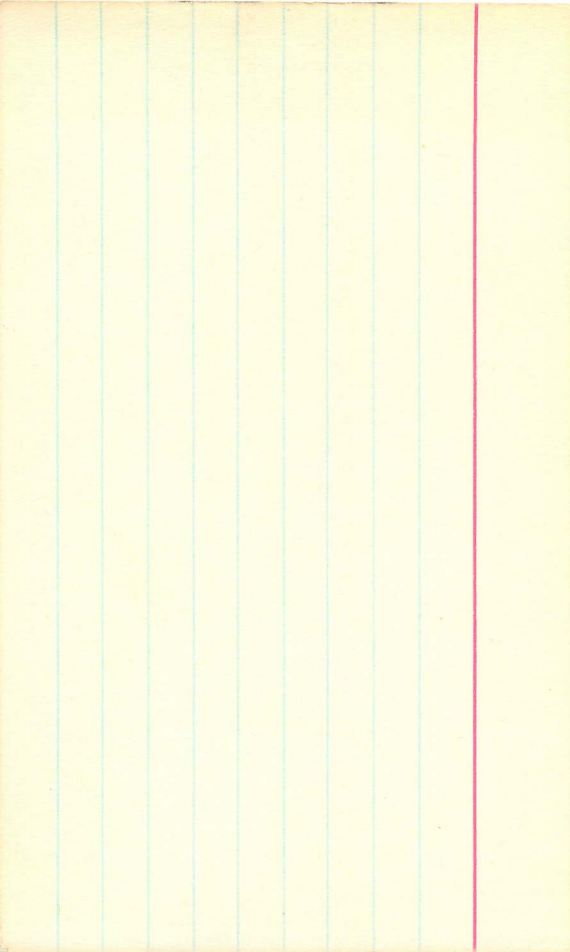
7-0+0.18

4.97+0.350 -0.876 +0.055 21Dec67

175

+74

225



11m 37"

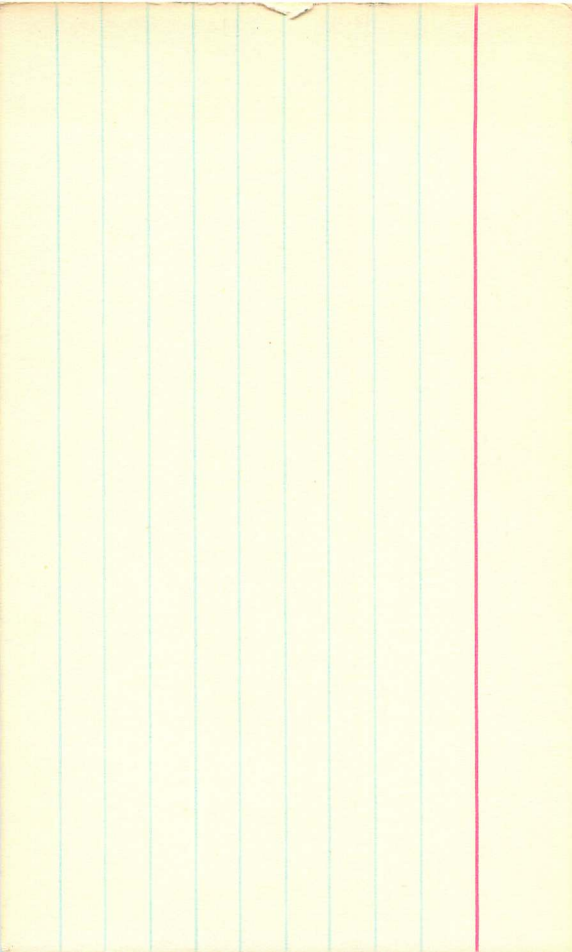
HN3031 7 44.5 -5-6 36 6.11 40.40 F0

6.03 +0.342 -650 +0.042 21.8467

194 1.07 212

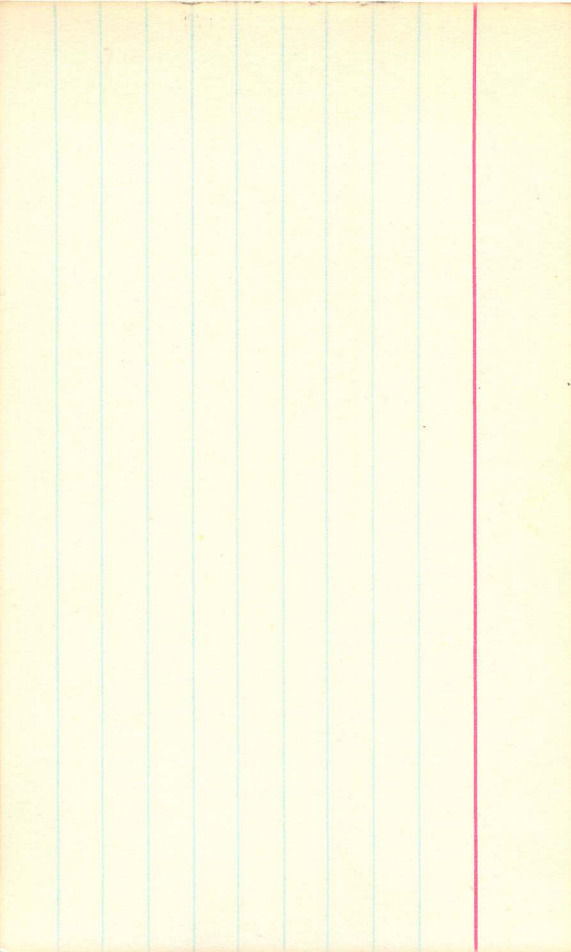
WJND

36.21



3063, 7 44.3 -12 41 6.44-F2

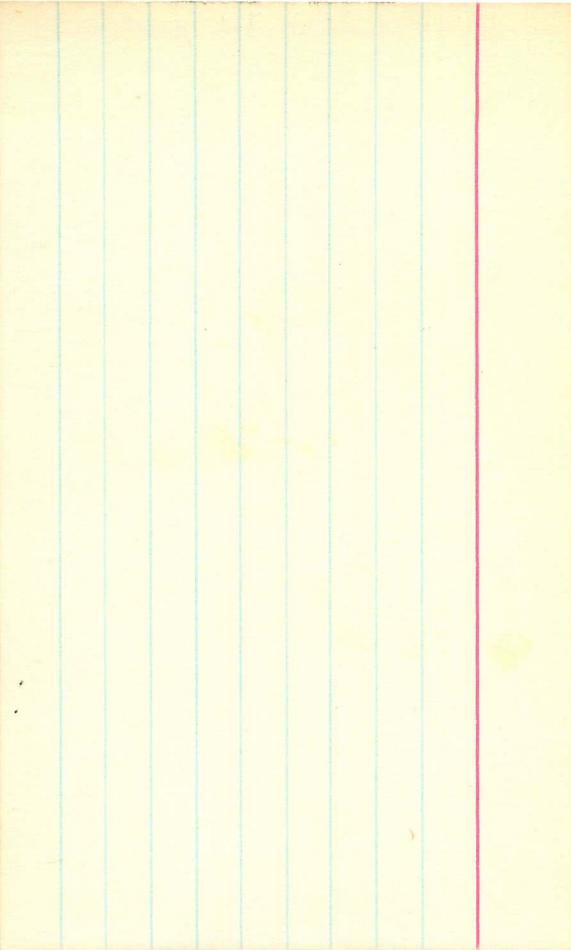
6.31 +0.386 -1.005 +0.052 21 June 67



14 m 22" 122
HR 3070 7 48.9 -60 09 5.77 10.42

5.69 +0.368 -1.092 +0.076 21.667

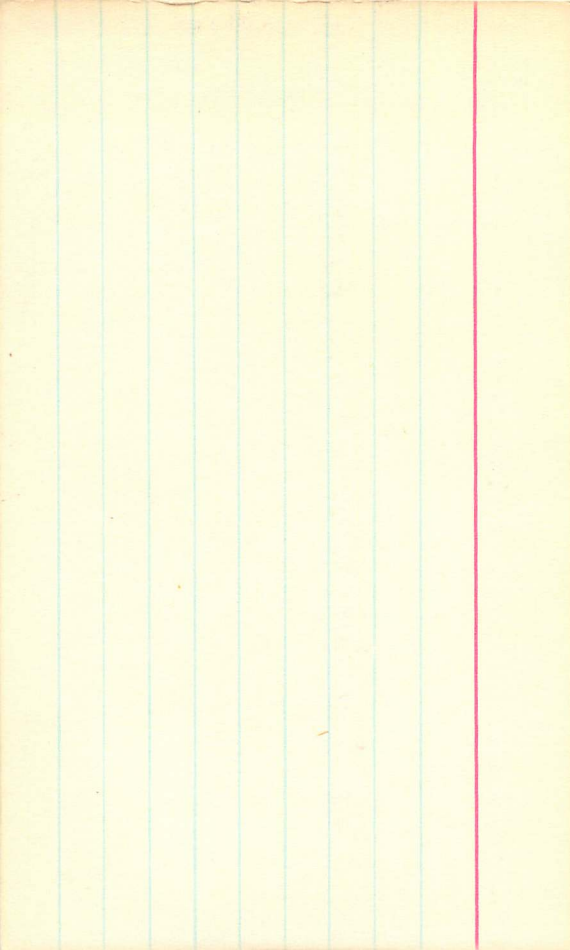
189 151 246



HP2837 7 22.8 -13 39 5.77 +0.42 F04

5.71 +0.326 -1.092 +0.101 Q1 22267

293	283
1365	
+525	
143	
	143



14P2866

7

27.0

-7

27

5.88

4F9
70.48

5.78 0.324 -1.143 +0.127 21 Dec 67

34 76
25 27
28 29

11

HP2404 7 31.9 -22 11 4.44 +0.52 F7B

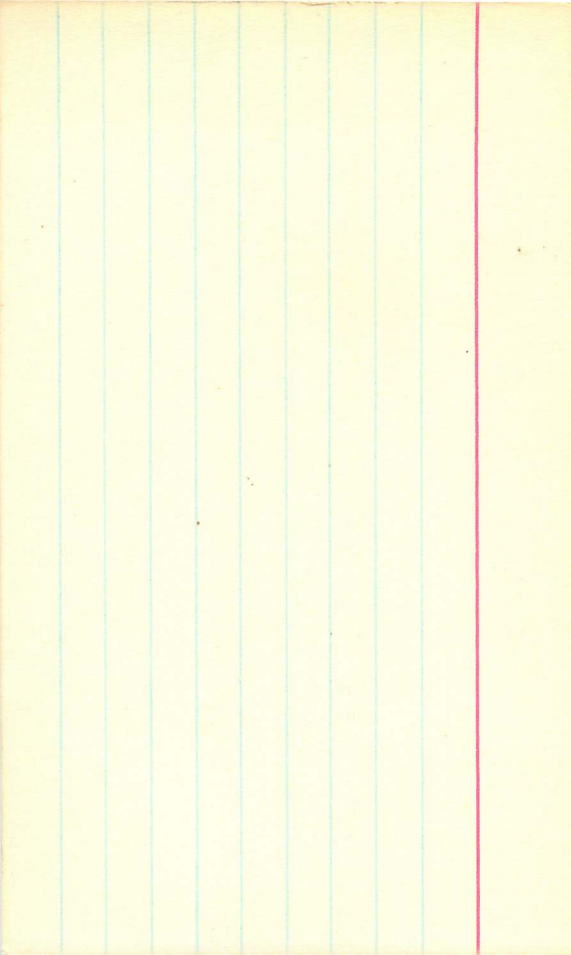
4.43 +0.365 -1.120 +0.136 21.47

182 +50 306

280
1400

318

162 +500



10"

2909

7

32.2

-23

21

5.86

- day

2910

7

32.2

-23

21

6.01

- day

348

170

N

5.78

+0.346

-1.101

+0.100

21 Dec 67

173

2256

1,110

+1154

-512

+288

S

5.89

+0.350

-1.122

+0.113

21 Dec 67

280

1402

153

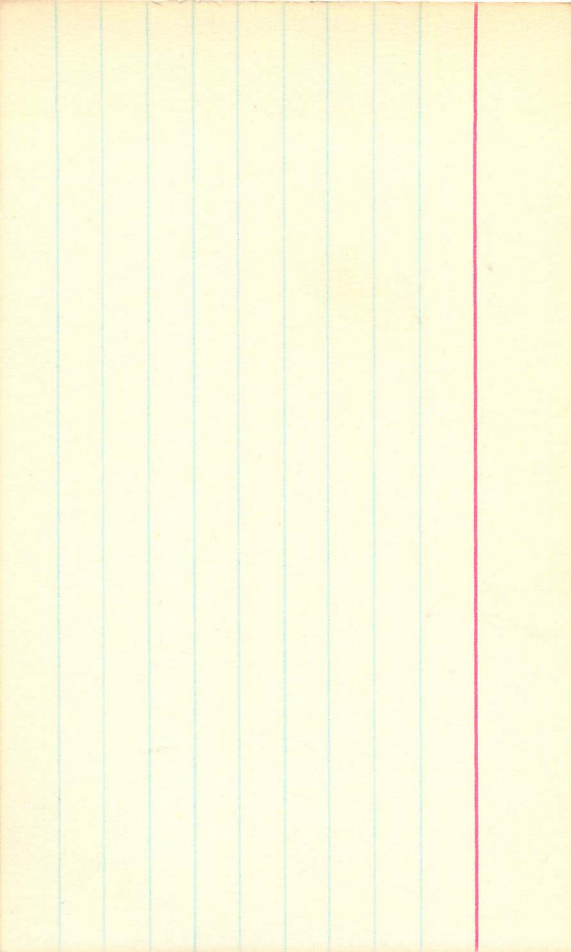
1424

282

295

155

1498



2913

7

32.3

-33

21

6.10 + 0.24

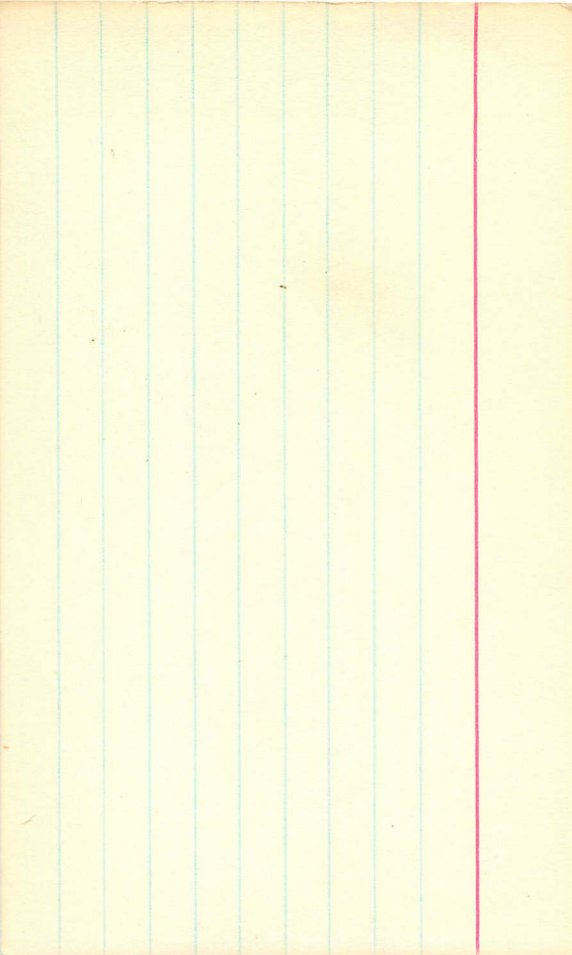
150

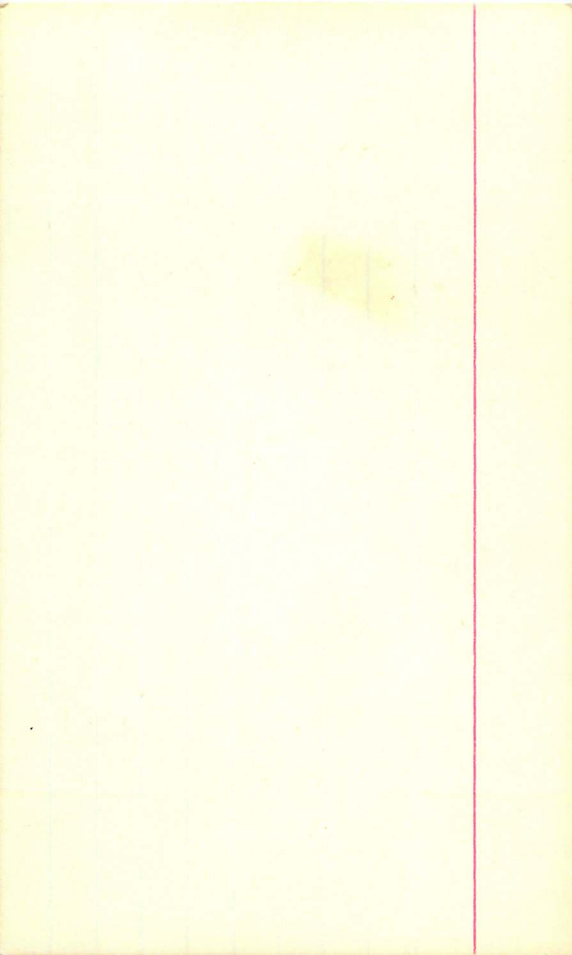
6.04 + 0.431 - 0.847 - 0.016 21 Dec 67

210

+84

154





3007 7 42.3 -35 56 5.80-10314F2-

m_1' c_1' (day)'

5.79 +0.354 -0.937 +0.029 2 Jan 27

177 +93

169

HR 1649

5 01.5

-49 14

5.38 + 0.42 = 5.80

12^m 11^u

m, 1 c, 1 (8-27)'

5.33
5.29
5.31

+0.349
~~+0.359~~
+0.344

-1.105
~~-1.123~~
-1.114

+105
~~+109~~
+108

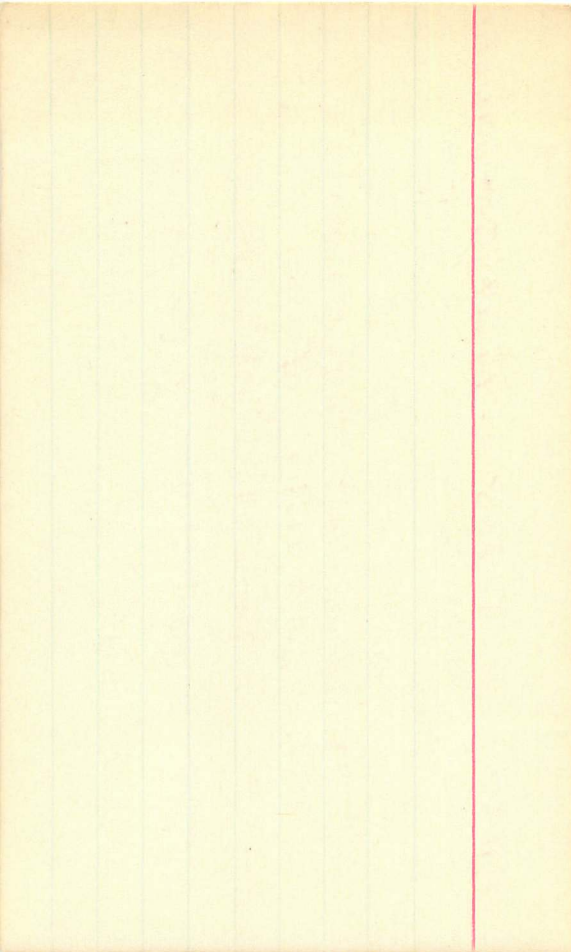
20 m 67
27

187

278
1392
508

182
2568

+167



HR0767

5 18.1

-50 40

5.44 + 0.51 Feb

5.44
5.37
 5.40

m, c,
 +0.370 -1.132
+0.369 -1.112
+0.268 -1.122
 260
 184 202
 150
 464 498

(1-y)
 +141 20 nov 67
+133 27
+138
 182
 398
 320

32
8
23

9
36

APR 18 12-A 5 23.8 -19 45 564 +0.45 dEY

7^m 29^m

m, l c, (16-7)

A 5.82 +0.358 -1.081 +0.096 20 Nov 67

5.75 +0.328 -1.064 +0.109 21 Dec 67

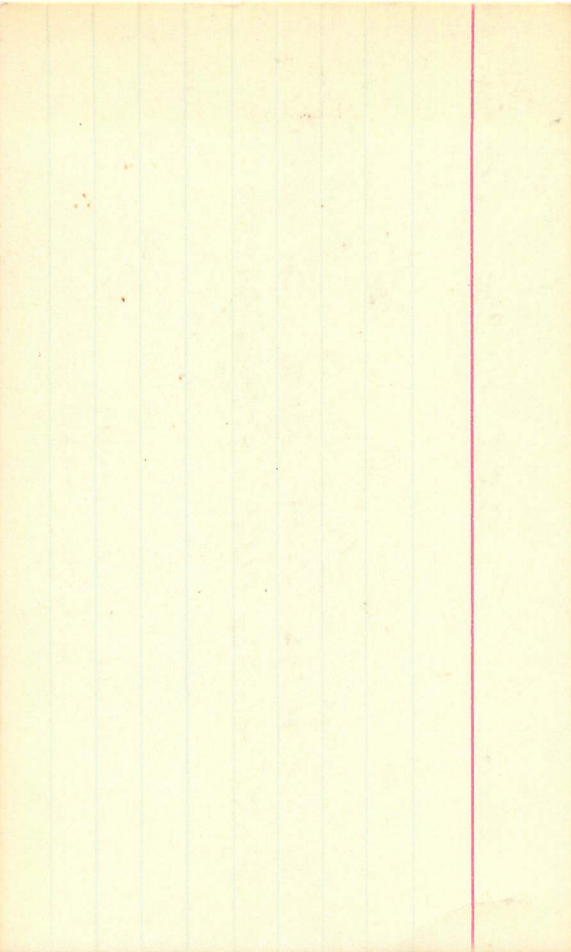
$\frac{+4335}{2694}$ 27
 $\frac{27932}{284}$

$\frac{+4335}{2694}$ 27
 $\frac{104556}{3060}$

B 7.53 +0.366 -1.224 +0.144 21 Dec 67

$\frac{3060}{43350}$ 27
 $\frac{1624}{31424}$

1.83



$$\Delta m = 0.1''$$

HR 1859 5 27.3 68 40 1.02-10.35 F0

m_1	c_1	$(c \cdot f)$	
+0.379	-0.954	+0.028	20 nov 67
+0.402	-0.974	+0.015	27 "
<u>+0.391</u>	<u>-0.964</u>	+0.021	

$$\begin{array}{r} 6.04 \\ 6.01 \\ \hline 6.02 \end{array}$$

$$\begin{array}{r} 191 \\ +64 \end{array}$$

4 Sep

14R1865

5

30.5

-17 52

25910.22

F016

$m, 1$ $c, 1$ (b.g.)'

2.59

+0.355

-0.381

-0.047

20 mm 67

2.47

+0.346

-0.351

-0.052

27

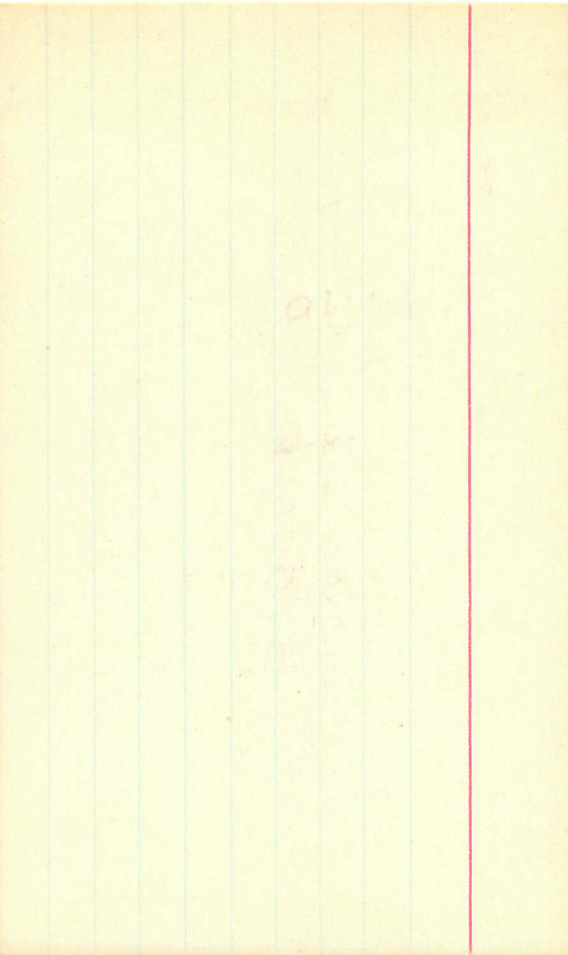
2.53

+0.350

-0.346

-0.050

120



$$m_V \approx 0$$

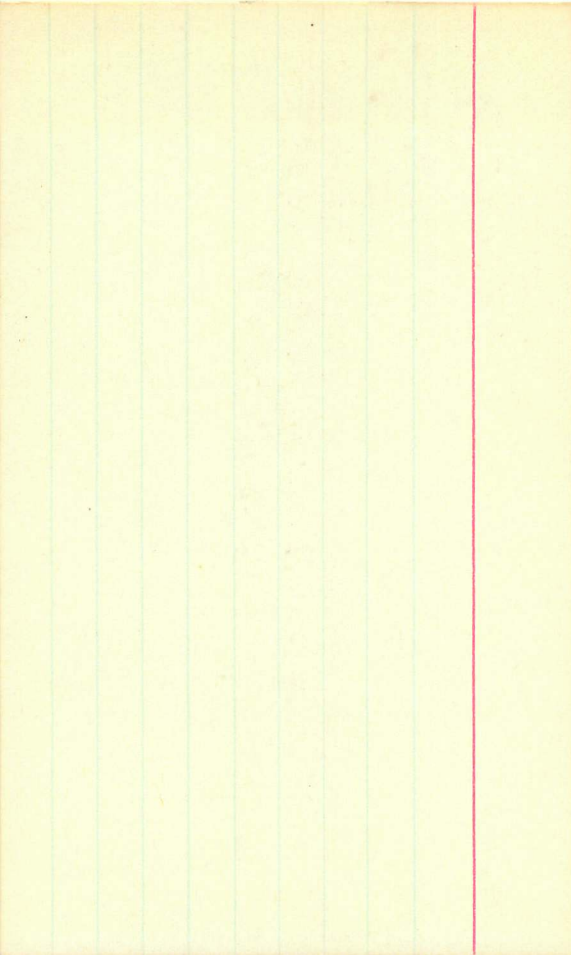
HR 1882 5 30.0 -63.58 6.18 to 23 Feb

6.19	m_1	c_1	$(b-g)$	12 mag
6.17	+0.429	-0.757	-0.060	20200607
6.18	+0.443	-0.769	-0.060	27
			<u>0.002</u>	

151

hgt

acc



14R1912

5

32.7

-5456 6.35-55

10^m 54" opt.
178
44

6.38

6.41

6.40

m₁

+0.315

+0.338

+0.329

164

144

C_i

-1.126

-1.151

-1.138

284

1422

1449

+478

(6.4)

+146

+171

+158

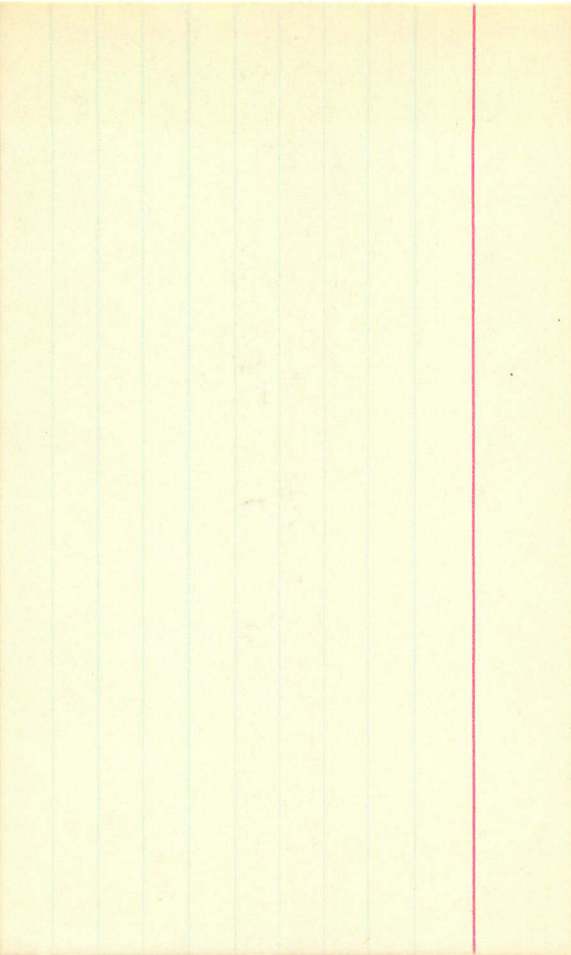
182

340

+340

20 Nov 67

27"



HR 1926

5

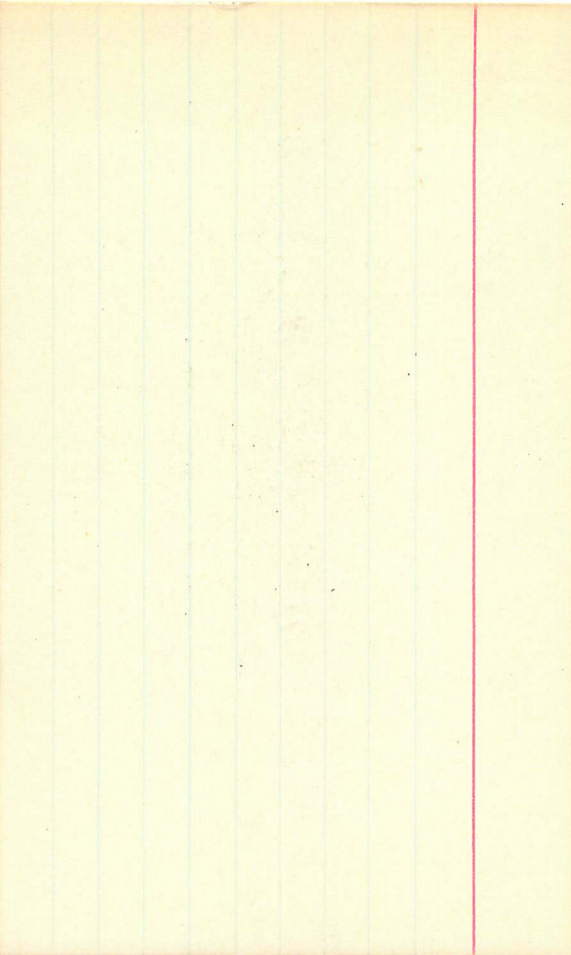
35.3

-27 55 5.95 45

6.11	m_1	C_1	$(b-g)$
	+0.399	-0.989	+0.026
<u>6.09</u>	<u>+0.377</u>	<u>-0.965</u>	<u>+0.024</u>
6.10	+0.386	-0.977	+0.025

2022007
276

194 466 195



HR 1935

5 35.8

-28 43

5.28 + 0.48

dfy

	m_1	c_1	$(b-y)$	
5.24	+0.347	-1.080	+0.126	20 mm 67
5.21	+0.360	-1.085	+0.166	27 "
5.29	+0.357	-1.094	+0.122	2 Jan

5.25 +0.355 -1.090 +0.121

5.29

177

272

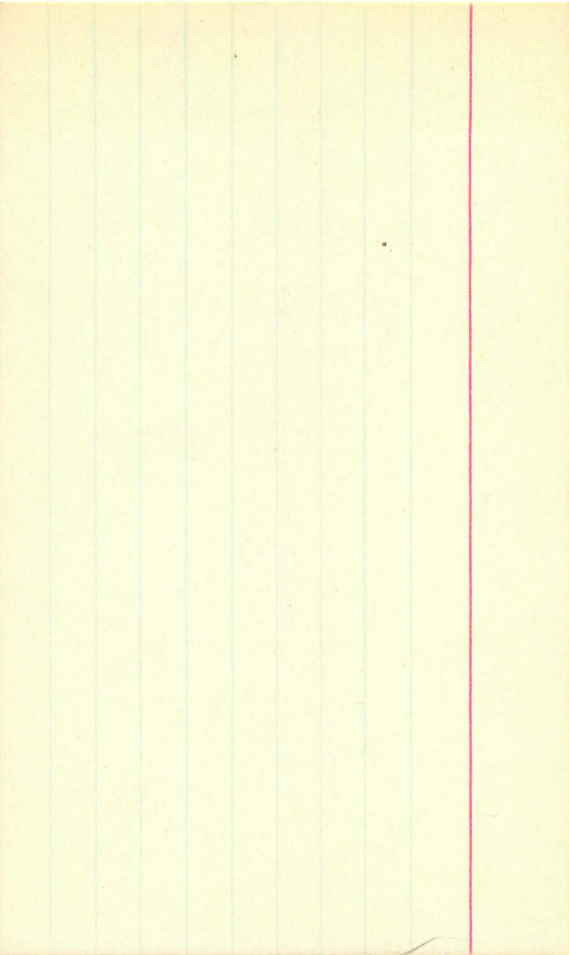
182

1187

+1362

303

+538



HR 1981 5 41.9 -39 26 6.29 F0

6.22	m_1	c_1	$(b-g)$
	+0.350	-0.974	+0.047
	+195	+69	+22

270

20th

824

HR1983

5

42.4

-22 28

3.60 +0.47

FL2

6.6 95" N2E

3.57

3.51

3.56

m₁

c₁

(d-y)

+0.329 -1.160

+0.346 -1.145

+0.322 -1.152

268

1.440

1.440

+460

161

+141

+0.144

+0.143

+0.139

+0.144

1827

326

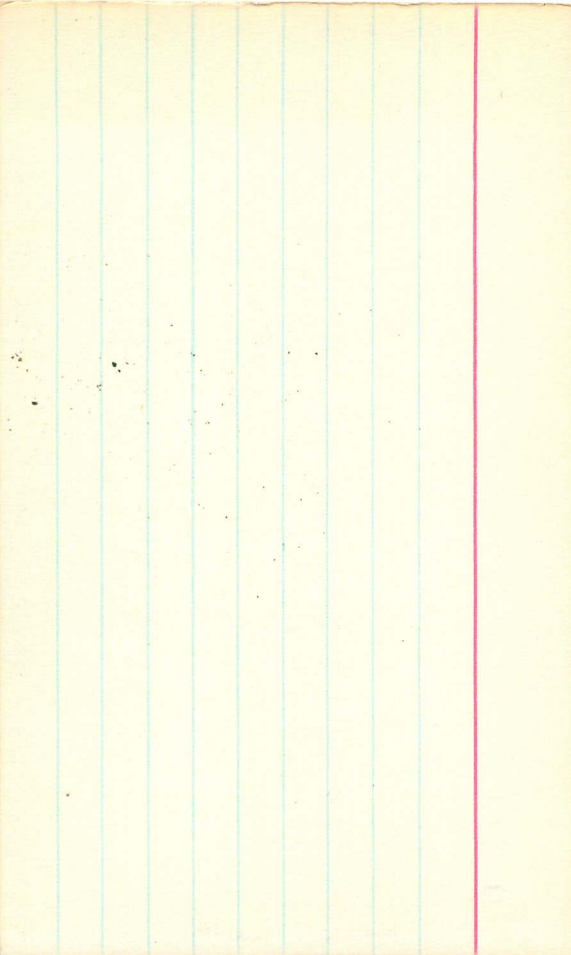
20240607

27

F0 III

HR 1984 5 4 2.3 -45 52 6.38 +0.24

6.33	+0.430	-0.865	-007	21 Dec 67
		216		
215	+82	163		
	1.081		+175	
195	+819			



F₂

HN 2068 5 52.3 -29 10 6.35 +0.38

2068

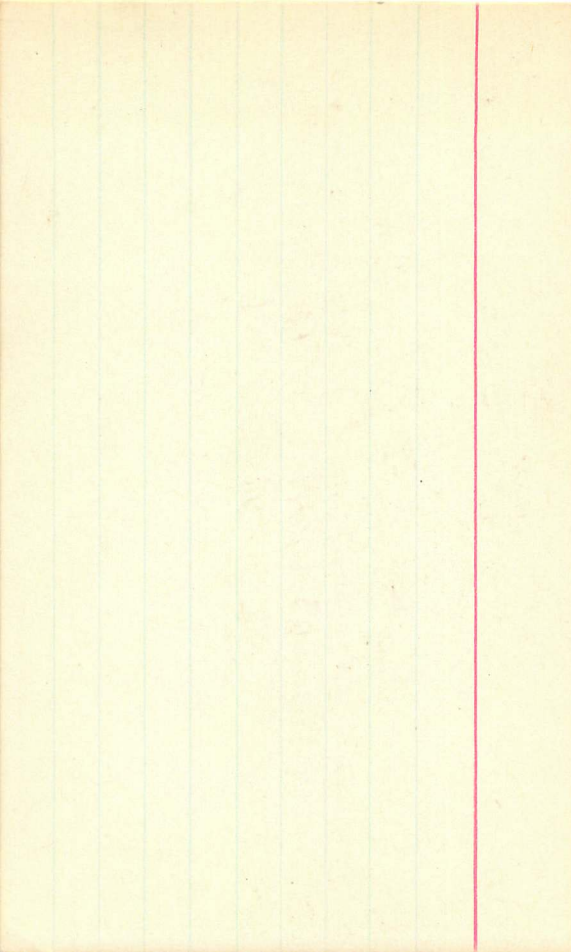
	m, 1106	c, 1	(18-g)	
6.31	+0.360	-1.014	88	+0.057, 86
6.33	+0.363	-1.044		+0.054
6.34	+0.343	-1.030		+0.075
6.33	+0.355	-1.030		+0.062

20 nov 65

27 "

2 jan

177 + ul. 232



mvno

15

2072

5 51.5

-57 10

5.93 + 0.66

14
26
126
23
2

(6-7)

m, 1

c, 1

5.89

+0.413

-1.042

20200007

5.87

+0.405

-1.017

27

5.88

+0.409

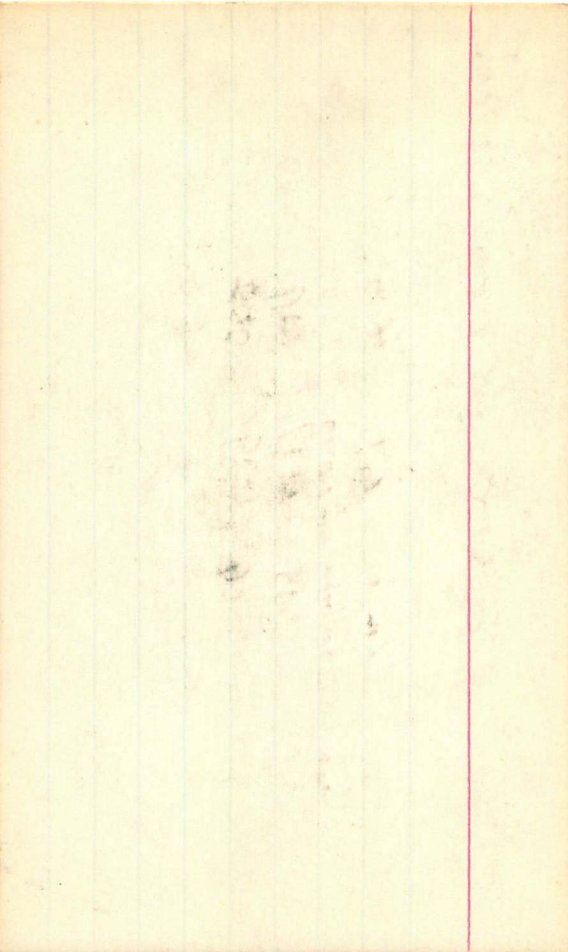
-1.029

+219

222

+53

392

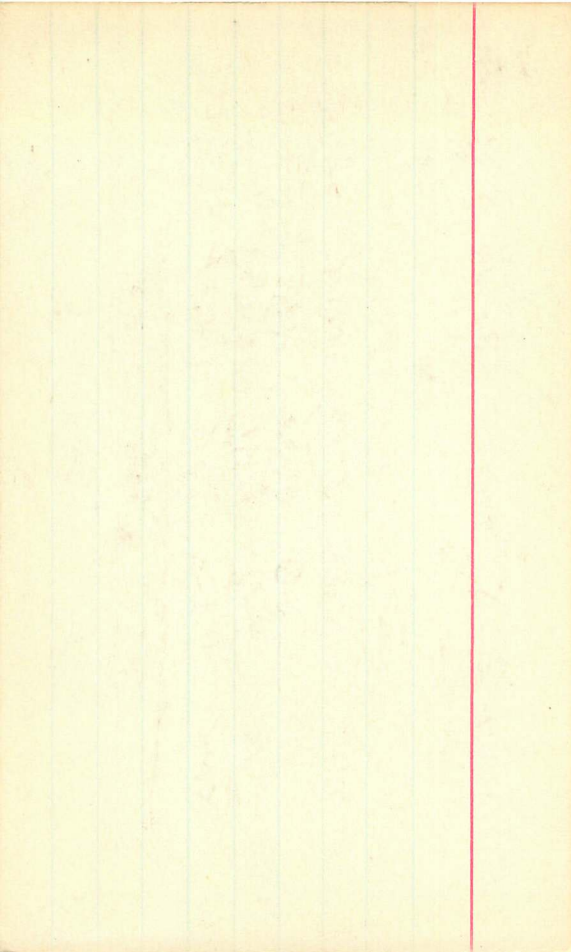


$$m_v = -1$$

HR 2092 5 54.5 -31 24 5.54 F0

	m_1	c_1	$(c_1 - g)_1$	
5.44	+0.363	-0.717	+0.065	20 Nov 67
<u>5.44</u>	+360	<u>-0.735</u>	+0.066	27
5.52	+0.372	-0.710	+0.064	2 Jan
5.45	+0.343	-0.715	+0.072	20 Dec 67

5.4
5.5



2094

8 53.7

-52 38 5.28 +0.32

Foot

Hypoclypeus

5.27	m_1	c_1	$(c_1 - g_1)$	20 nov 67
5.22	+0.400	-0.912	-0.010	27 "
<u>5.131</u>	+0.409	-0.503	-0.013	27 "
	+0.397	-0.898	0.000	27 "

5.27

+0.400

-0.904

-0.008

200

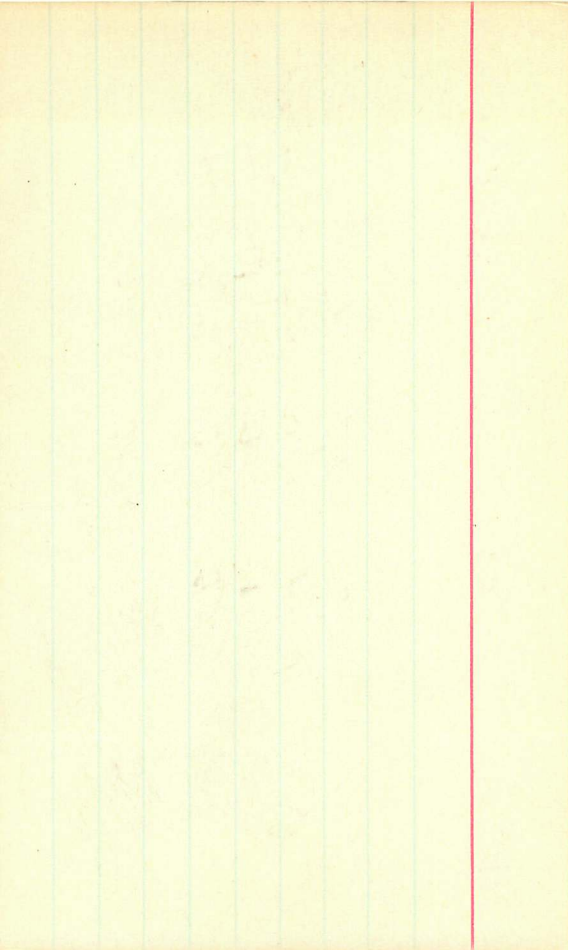
226

1730

+1779

+140

+7790



11.4.17

HR2104 5 54.6 64 30 662+039 F2

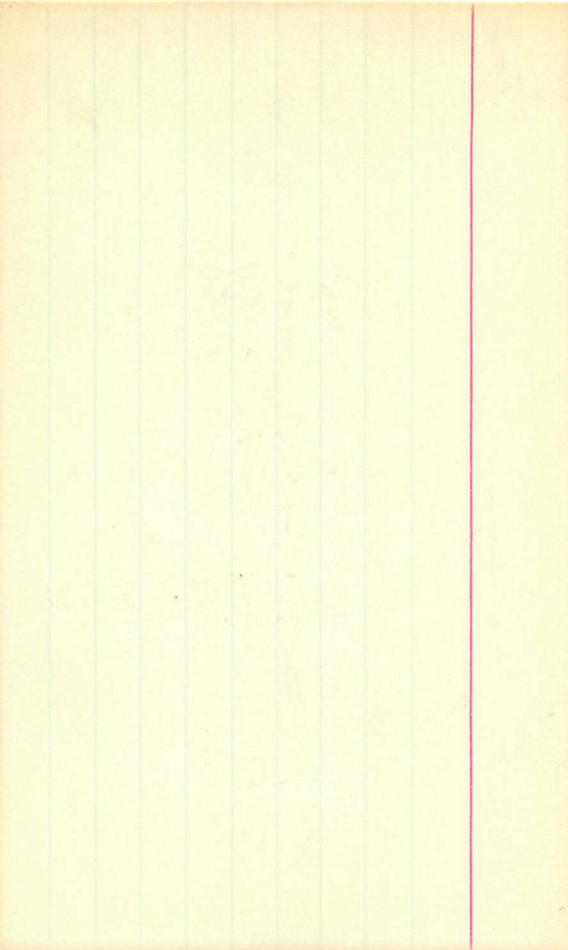
	m_1	41^{100}	$(6-x)_{2,2}'$	
6.60	+0.378	-0.925	+0.058	20 Nov 07
6.60	+0.378	-0.941	+0.081	27
6.64	+0.387	-0.934	+0.073	2 Jan

6.63 +0.378 -0.933 +0.071

189 73

747

7



218 .163 625 (3)

1502

HN 2085

5 54.1

-14 10 3.70 +0.33

3.69
3.69
3.50
3.65

m' 26.4

4.1

+0.360

+0.379

+0.372

+0.383

-1.005

-1.025

-1.005

-1.008

(6.7)

+0.041

+0.029

+0.045

+0.018

20 Nov 67

27"

2 Jan

21 Dec 67 (5)

+0.32

3.74

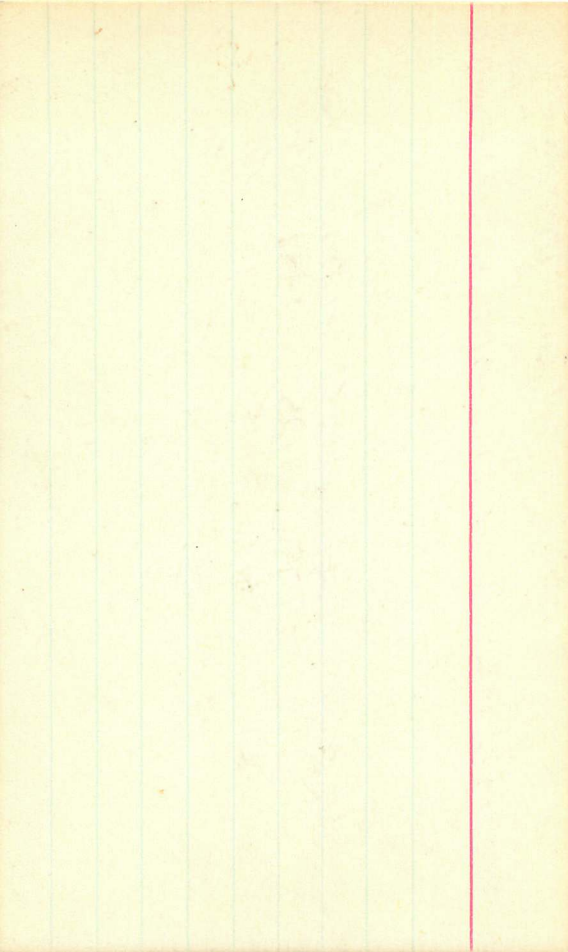
10.1

253

244

1.244

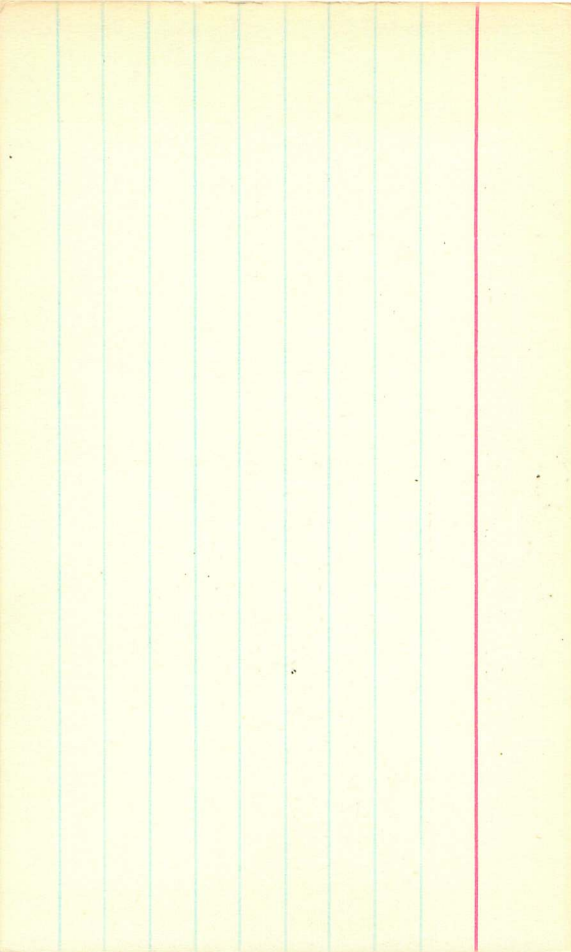
1.244



HR 2107 5 56.4 - 9 23 6.28 F2 II

6.18	+0.397	-0.861	+0.035	21.4467
6.20	+0.408	-0.937	+0.043	22"
	1.98	+825	<u>2.03</u>	
			+0.39	

182
221



1402105

5 56.7

-9 34

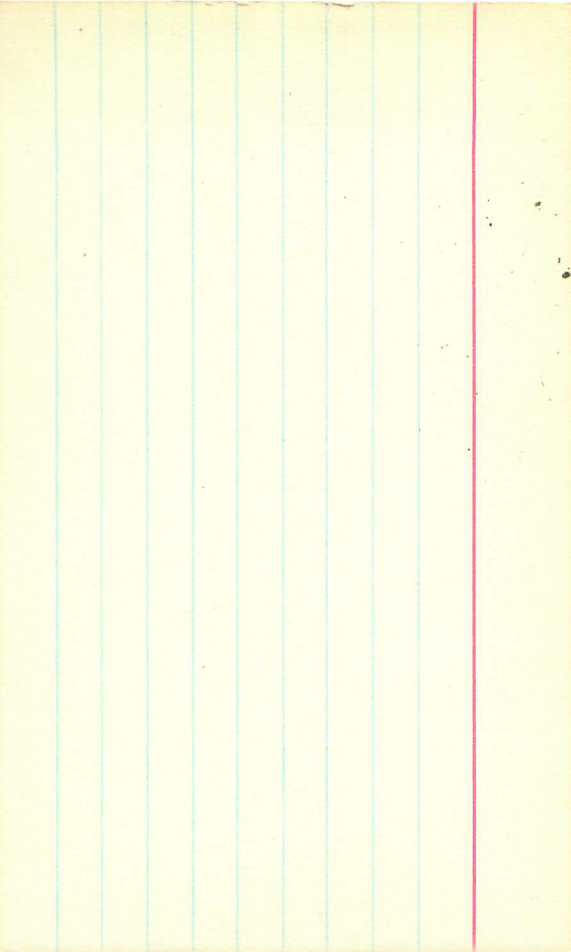
5.02 10.20

Am

7-0 +1.8

$$\begin{array}{r}
 5.00 \\
 +0.466 \\
 \hline
 5.466 \\
 -0.741 \\
 \hline
 4.725 \\
 -0.091 \\
 \hline
 4.634
 \end{array}$$

$$\begin{array}{r}
 5.03 \\
 +0.478 \\
 \hline
 5.508 \\
 -0.742 \\
 \hline
 4.766 \\
 -0.085 \\
 \hline
 4.681
 \end{array}$$



2118

5

58.0

-12

54

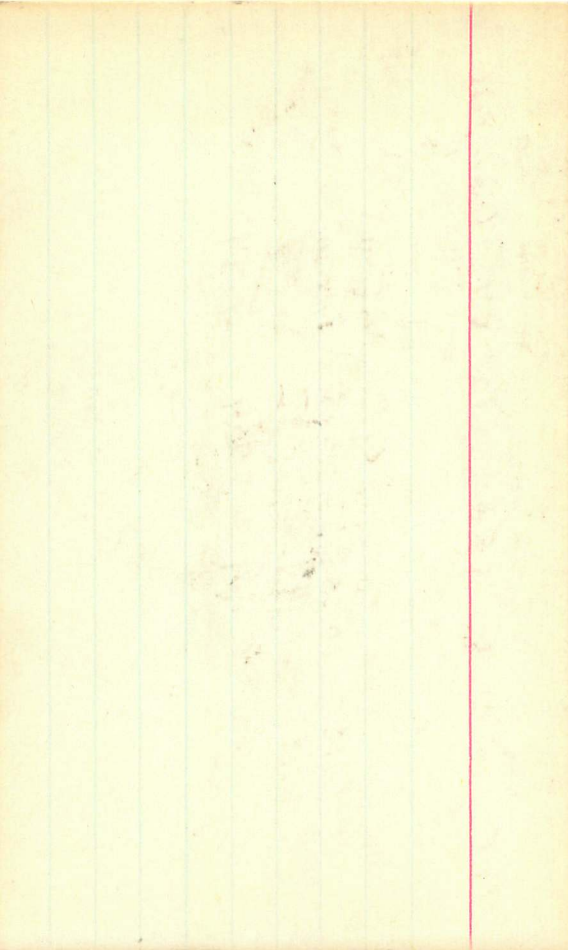
6.21 + 0.36 Fo

	m_i	c_i	$(1 - \gamma)$	
6.18	+0.392	-0.975	+0.030	20 Nov 67
6.18	+0.347	-0.932	+0.039	27
	<u>+0.369</u>	<u>-0.954</u>	<u>+0.034</u>	

184

+71

201



2 sp.

2150 6 03.1 -10 14 5.84 +0.37 1F4

$$\begin{array}{r} 5.85 \\ 5.84 \\ \hline 5.85 \end{array}$$

$$\begin{array}{r} m_1 / \quad c_1 / \\ +0.383 \quad -0.993 \\ +0.379 \quad -1.010 \\ \hline 0.397 \quad -1.001 \end{array}$$

$$\begin{array}{r} (b-y) / \\ +0.037 \quad 20mm67 \\ +0.048 \quad 27 \\ \hline 0.043 \end{array}$$

$$\begin{array}{r} +188 \quad +45 \\ \hline \end{array}$$

$$213$$

5³ 2 3 4

Excluded 9 m 5"

F8

1402157

6 03.0

-45

02

60.34 + 0.52

→ 5.92 + 0.50^{F5}

2158

5.85

40.332

-1.163

+0.145

21 Dec 67

1664

²⁹¹

+4551

1446

+31529

+329

6.29

40.335

-1.192

+0.167

21 Dec 67

1667

²⁹⁸

+480

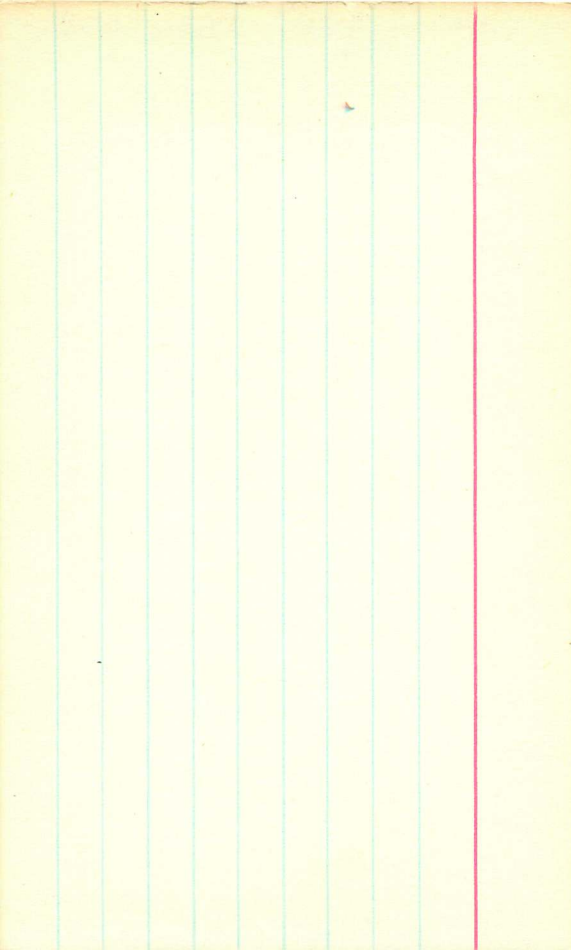
1446

+3349

192

147

+4420



2171
~~2255~~

6 05.1 -42 17 6.25 Am

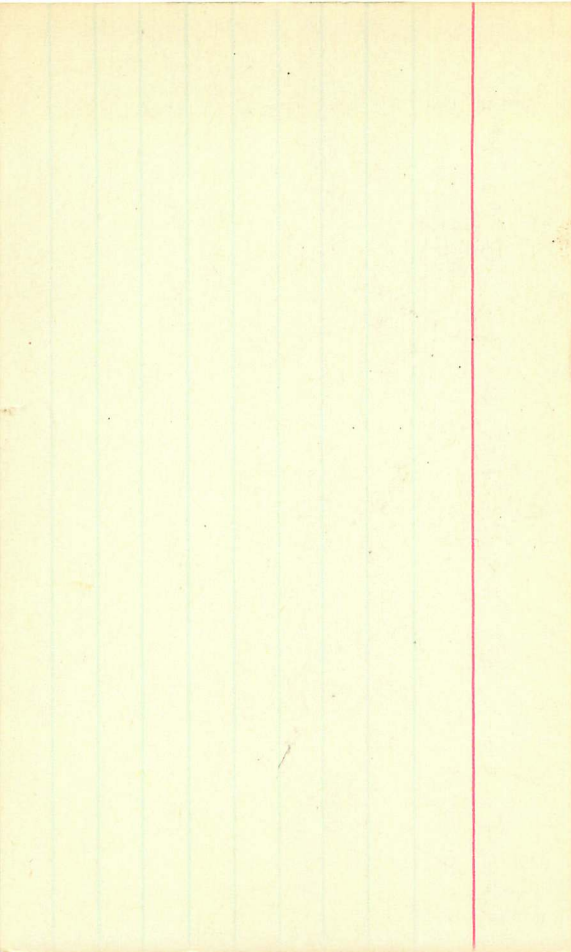
Q_{M_1} C_1 $(L-y)$

6.12 +6.470 -0.872 -0.54 27 nov 67

+81

116

235



245 1246.4

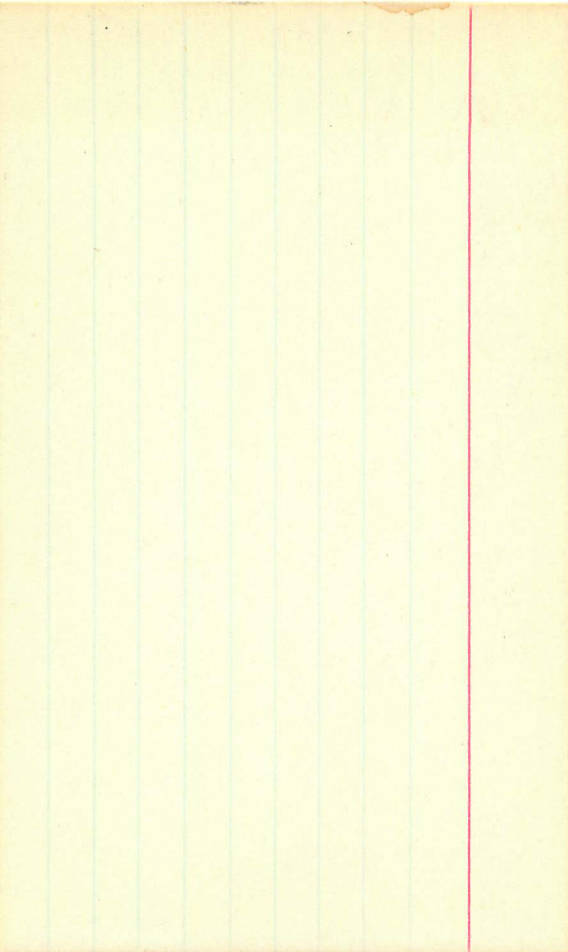
2179

6 07.1 -5-39 41 6.18 +0.35 F0

m_1' c_1' $(B-y)'$

6.14 +0.341 -0.581 +0.047 2722067

170 467 219



19 years $\Delta m = 0.2$

+0.44

1402186

6 07.7

- 22 45

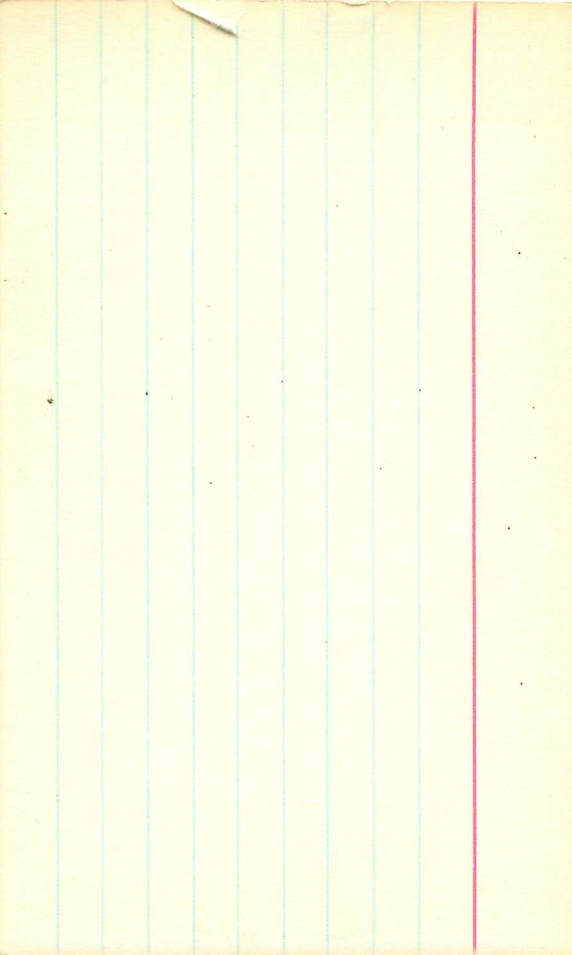
5.70 dpc

5.61

+0.333

-1.101

+0.117 21 Dec 67



2204

6 68.1 -49 33 6.48+0.52 75

6.48 A_{11}' C_1' (p-q)¹
+0.341 -1.145 +144 2720067

176 +47 314

8/10
h
8

2
h
2

h
h
h
h

$$m_v = +0.4$$

2255

6 15.2 -10 42 6.67 F0

m_i c_i $(b-y)$

6.74	+0.401	-0.788	+0.042	27 Nov 67
6.76	+0.390	-0.763	+0.054	2 Jan 67
<u>6.73</u>	<u>+0.429</u>	<u>-0.781</u>	<u>+0.043</u>	21 Dec 67
6.74	+0.407	-0.773	+0.046	

204

789

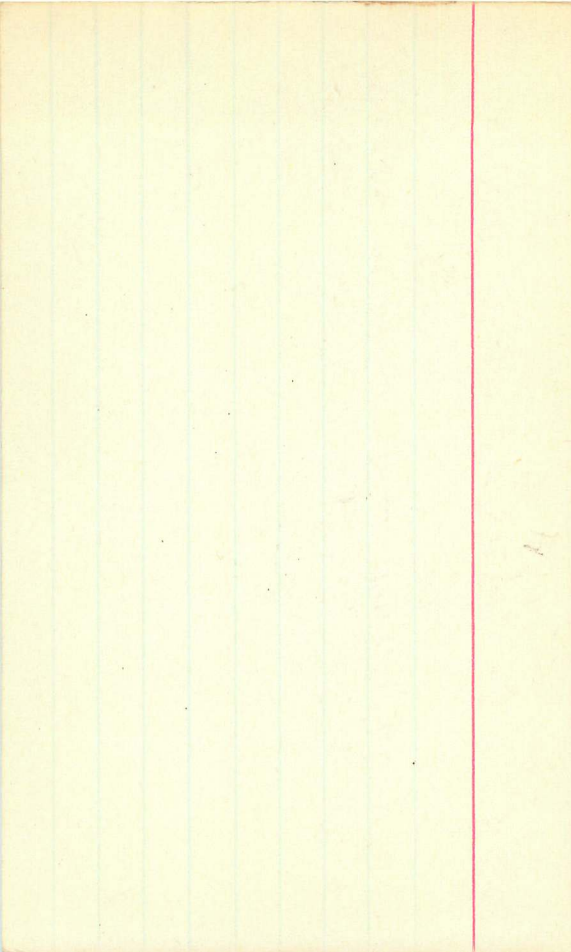
-966

+934

2187

21

+228



2320

6 22.0

-54 20 5.60 + 0.24

Ann

(b-y)'

m₁'c₁'

5.56

+0.489

-0.902

27 nov 67

5.53

+0.474

-0.886-0.35

21 dec 67

5.54

+0.481

-0.894-0.047

+78

240

123

2324

6 24.1 -1 29 5.73 47 III

	m_1	c_1	$(b-y)$	
5.83	+0.440	-0.703	-0.142	27 Nov 67
5.79	+0.434	-0.670	-0.152	21 Dec 67

 5.81 +0.437 -0.687 -0.147

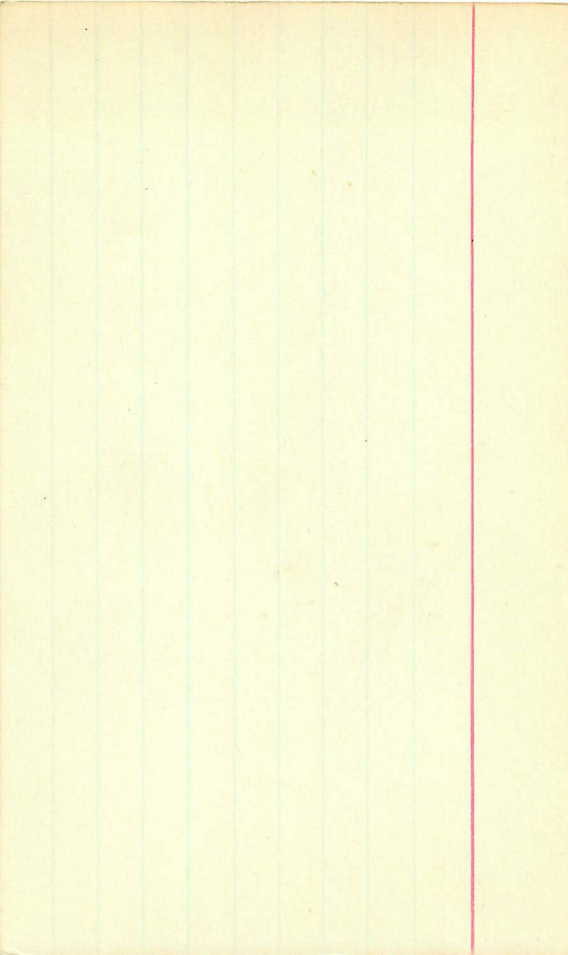
$$\begin{array}{r} 1.72 \\ -859 \\ \hline +0.353 \end{array}$$

$$\begin{array}{r} 218 \\ +1.03 \\ \hline \end{array}$$

+0.35

+1.041

+1.468



23 53

23 53

6 25.4 -37 52

6.5150

13^m 20"
 $m_1' \quad c_1' \quad (b-y)'$

+0.366 -1.057

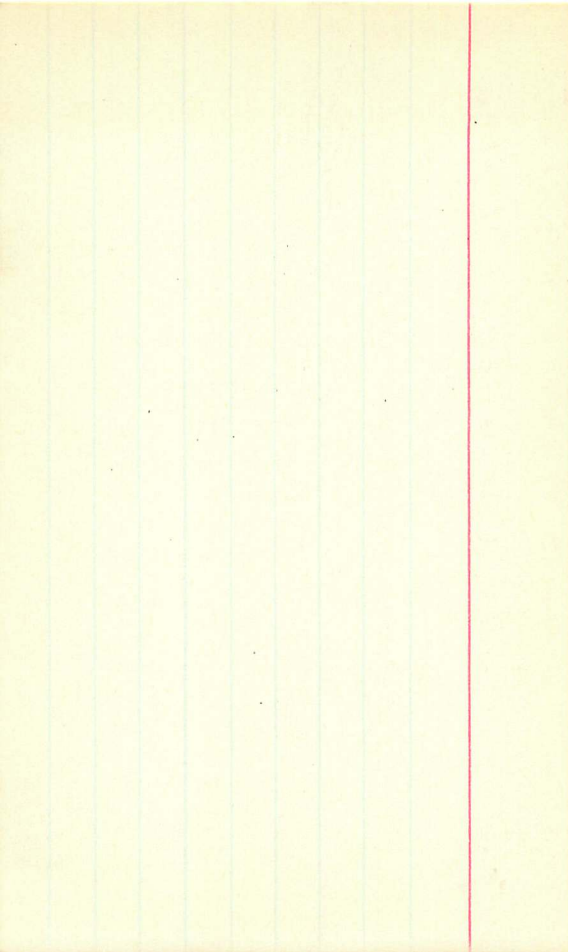
+0.074

2 Jan 67

6.50

+55

+74



2364

6 27.1

-41 03 6.31 +0.41 F2

m_1'

c_1'

(6.7)'

6.34

+0.346

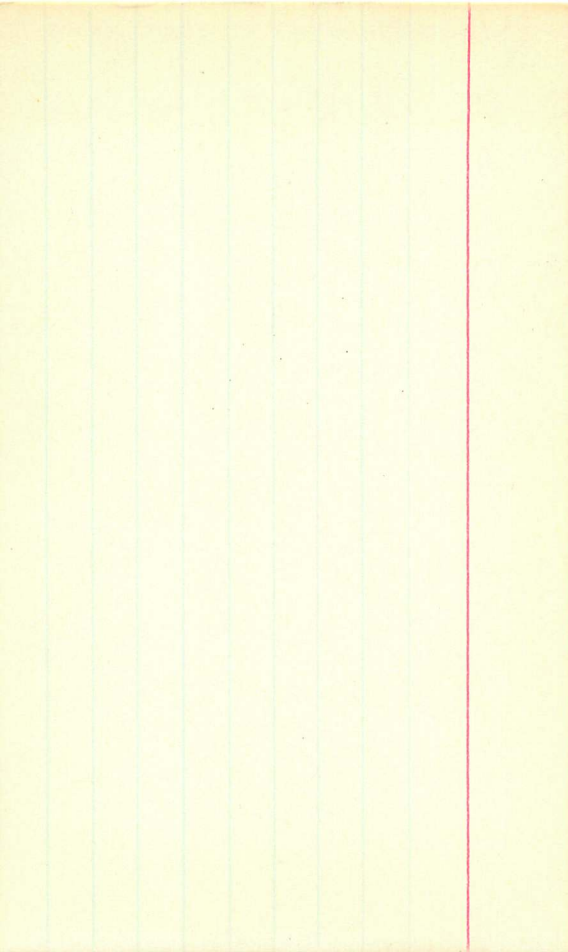
-1.059

+0.049

2 Jan 67

~~+58~~

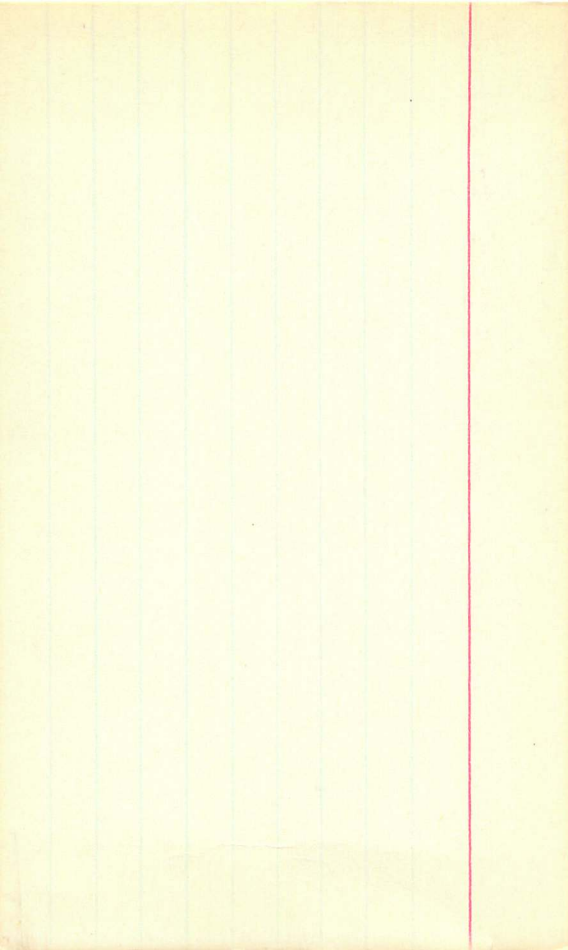
219



2384 4 28.4 -50 12 5.32 F2

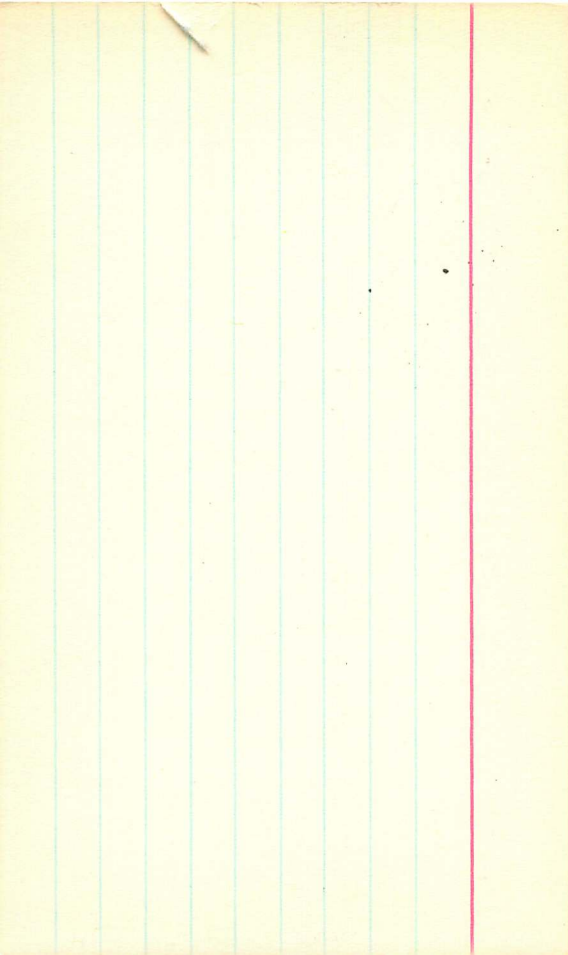
CD 9^m +34 DM = 0 0^m 5

	m_1'	c_1'	$(b, z)'$	
5.29	+356	-0.995	+0.079	2 Jan 67
5.15	+384	-0.987	+0.046 ₂	21 Dec 67



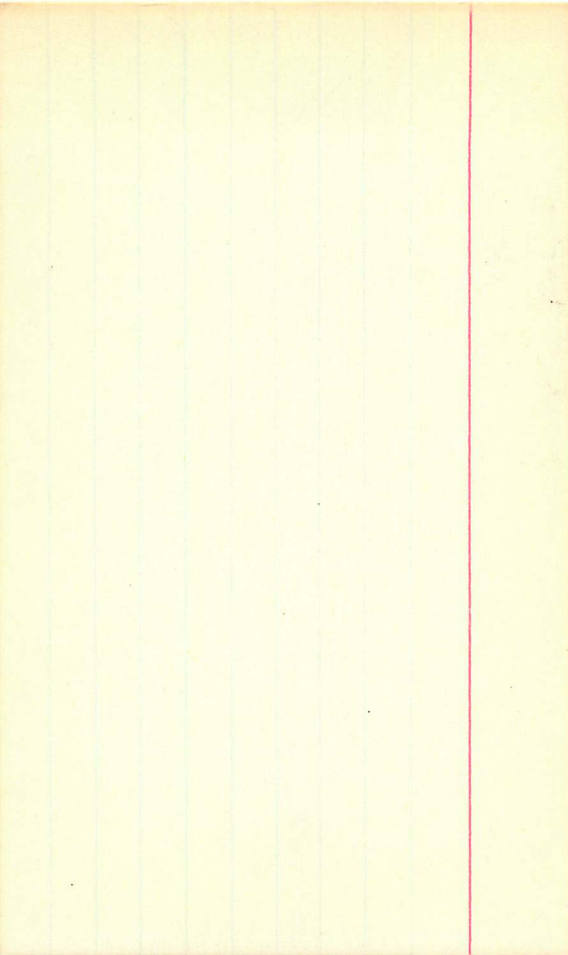
1482400 6 30.1 -51 47 5.59 +0.54 4P8

5.43 +307 -1.075 +0.182 21dec67



2408 6 29.9 -65-32 6.28+0.34 F2

6.34	m_1	c_1	$(b-z)'$
	+401	-0.915	+0.019 2 Jan 67
	+75		189



8 m 18"

2481 6 40.6 -22 24 6.20 F=0

	m_1'	C_1'	$(1-g)'$
6.27	+0.372	-0.970	+0.032

242

+1279

8

186

166

204

2 Jan 67

176
175

174
173
172

HR2500

6

43.5

-31

44

5.91

^{4.6}
+0.48

5.84 +0.334 -1.162 +0.125 21 Dec 67

290

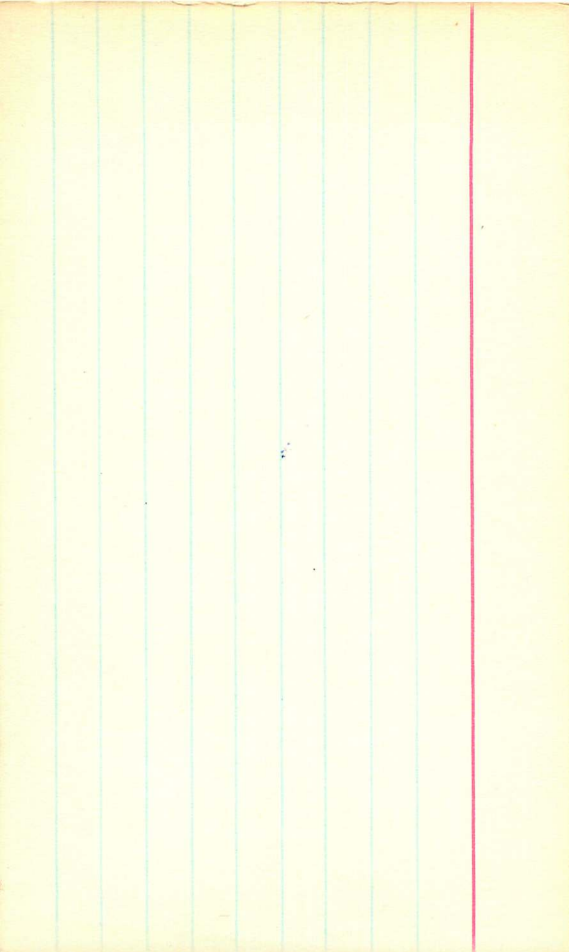
52

4

157

1607

307



HR2530

6

48.3

-0

28

5.77-0.40

df2

upm 11.26"

5.67

+0.311

-1.109

+0.093

21 Dec 67

1776

182

1284

243

5

75

42

155

4135

21

20

21

21

HR2548

6 48.5

-46

33

5-13 +0.45

F5th

7-0 +0.18

5.09

+344 -1.116

+0.114

21 Dec 67

5.13

+0.335 -1.156

+0.138

2 Jan 67

-1.136

126

284

340

182

1420

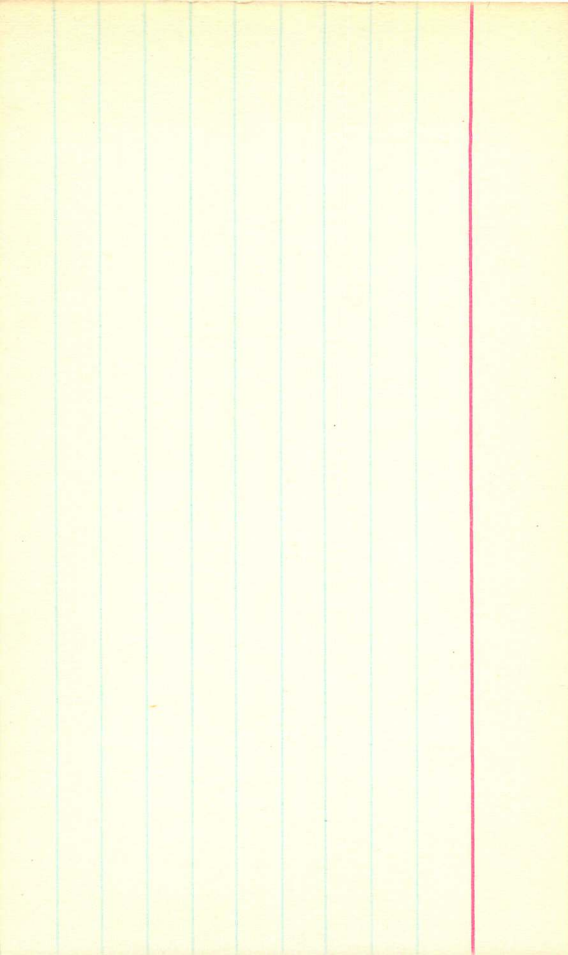
108

170

+490

+2

(150)



2550 6 47.7 -61 53 3.26 +0.21 ASD

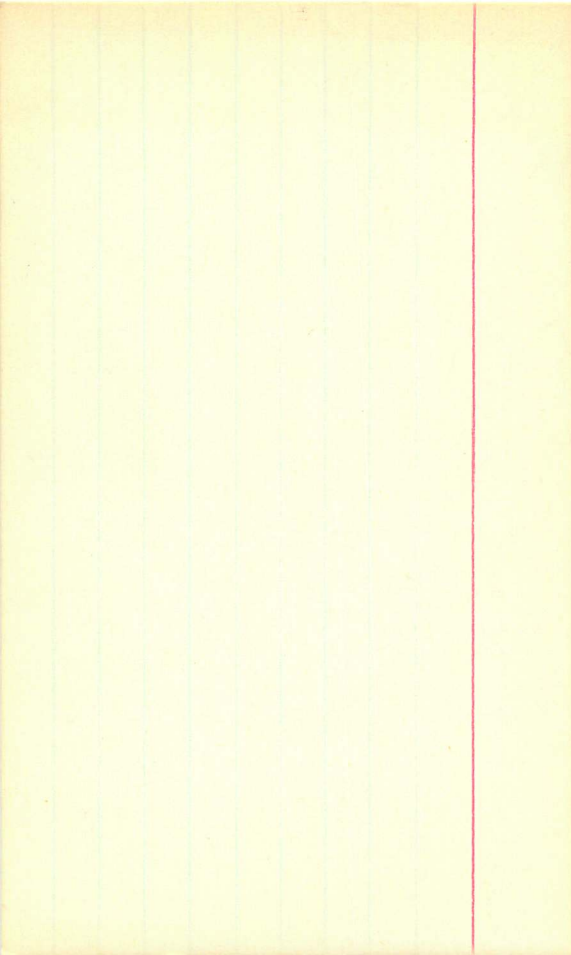
	m_1'	C_1'	$(\delta - \alpha)'$	
3.35	+0.384	-0.644	-0.037	2 Jan 67
3.18	+0.407	-0.707	-0.060	21 Dec 67
	346	-700	-0.453	
	198	175	182	
	200	+1875	20	
	(+176)	+1,025	+34	

2562 6 49.3 -60 11 6.14 F5

$m, c, (log)$

6.20 +0.346 -1.122 +0.124 2 Jan 67

173 +50 294



$M_0 = +1.3$

HR2575

6 51.1

-42 26

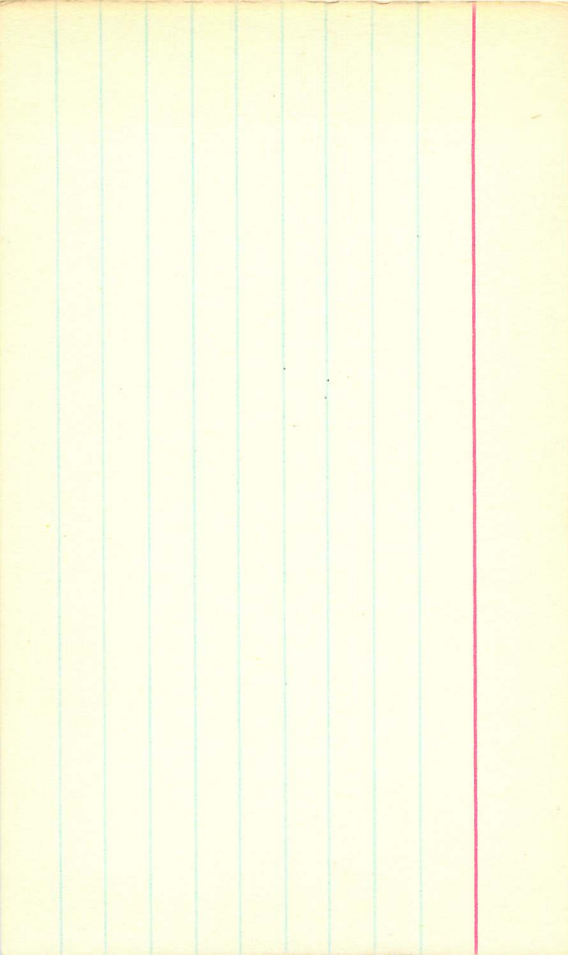
6.51 + 0.42

F2

6.45 + 0.400 - 0.908 + 0.071 21.8667

2.50 + 76

2.41

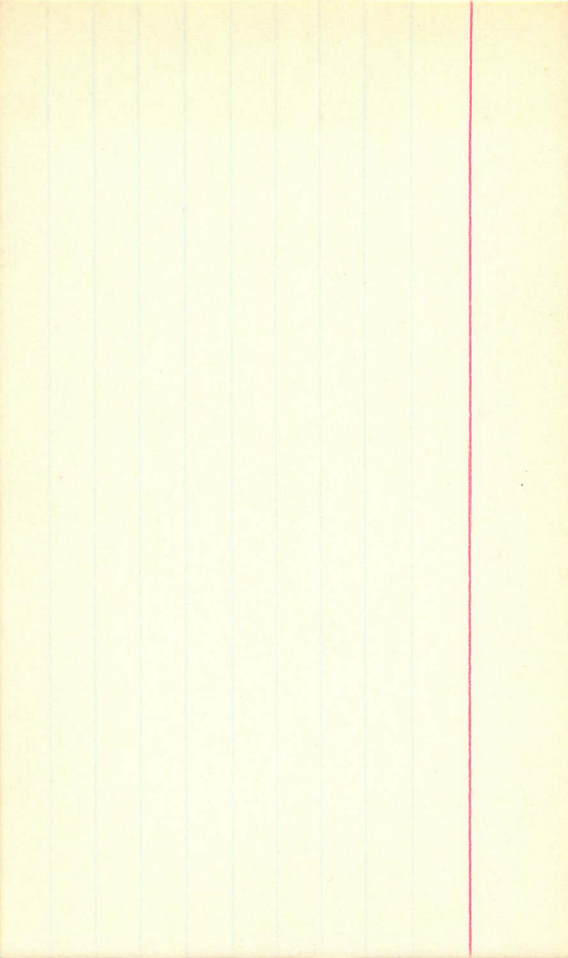


-8.4 12" gun

25-90A 6 53.5 -20 05 4.65 +0.38 gF2

	m_1'	c_1'	$(g-y)'$	
4.72	+0.359	-0.990	+0.070	2 Jan 67
4.68	+0.368	-0.984	+0.046	2 Dec 67
<u>4.70</u>	<u>+0.363</u>	<u>-0.987</u>	<u>+0.058</u>	

182 47 228

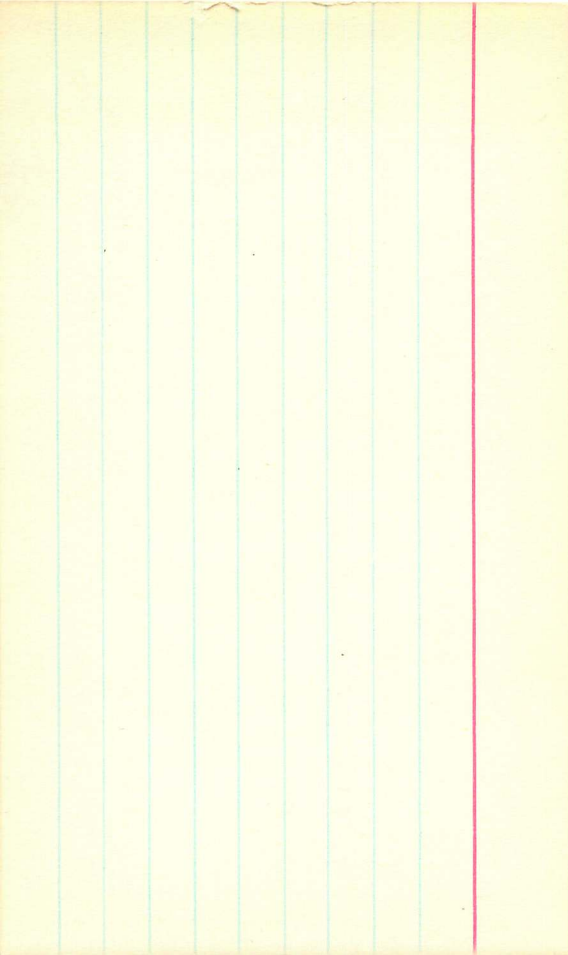


14.74m. $\Delta m = 0.2 \text{ } 0.5$

F8 IV - IV

HR 2612 6 55.5 -35 24 6.22+0.46

6.18 +0.327 -1.144 +0.117 21 Dec 67



2638 6 57.7 -56 19 6.44 +0.40 F2

6.49 +0.422 m, c, (b-y)' 810.04 +0.048 2 Jan 67

211 +70 218

128 48
32 2
148 11 2
2 13 4 1
8 2 6
3
196

2661 7 00.3 -58 52 6.01 +0.31 Foot

$$\begin{array}{r}
 m_1' \quad C_1' \\
 6.04 \quad +0.374 \quad -0.925 \\
 5.91 \quad +0.345 \quad -0.907 \\
 \hline
 \quad \quad +0.385 \quad -0.916 \\
 \quad \quad \quad \quad 229 \\
 \quad \quad \quad \quad +1.145
 \end{array}$$

$$\begin{array}{r}
 174 \\
 +180 \\
 \hline
 354
 \end{array}$$

$$\begin{array}{r}
 192 \\
 +172 \\
 \hline
 364
 \end{array}$$

$$\begin{array}{r}
 174 \\
 +180 \\
 \hline
 354
 \end{array}$$

14 13 12 11 10 9 8 7 6 5 4 3 2 1

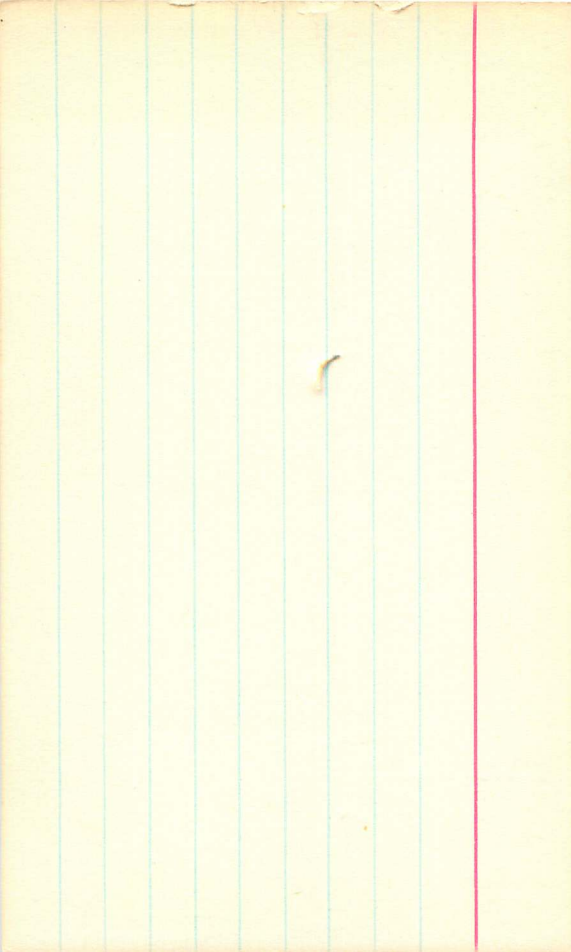
11.2, "

14P2708

7 07.9 -18 36 6.18 -F0

6.17 +0.358 -1.072 +0.074 21 Dec 67

179 +57 244



2707

✓ 0.80 8

-013

8.45 + 0.30

681. 781. 878.

27

1882

13

51

(a.1)

5.35-5.47

 $\therefore +0.400$

-0.815-

+0.003

20 May 8

+038

0.832

W. A. A. A.

Van 0

S.H.S

+0.382

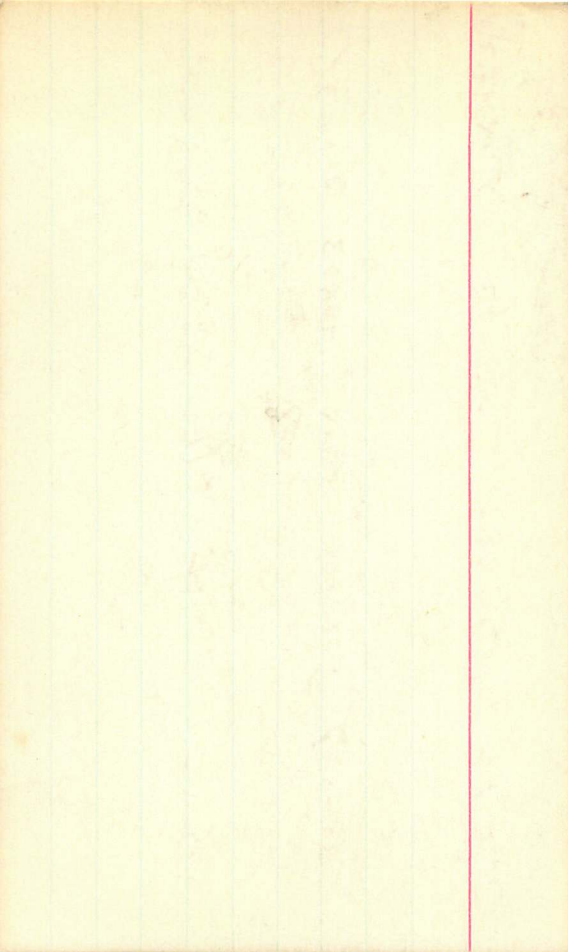
0.740

+ 0.008

272267

ADP

100



HR 3291

8

20.7

-26

12

5.89 + 0.38

$\Delta m = 0.3$

0.1

R278

5.83

+0.344

-0.408

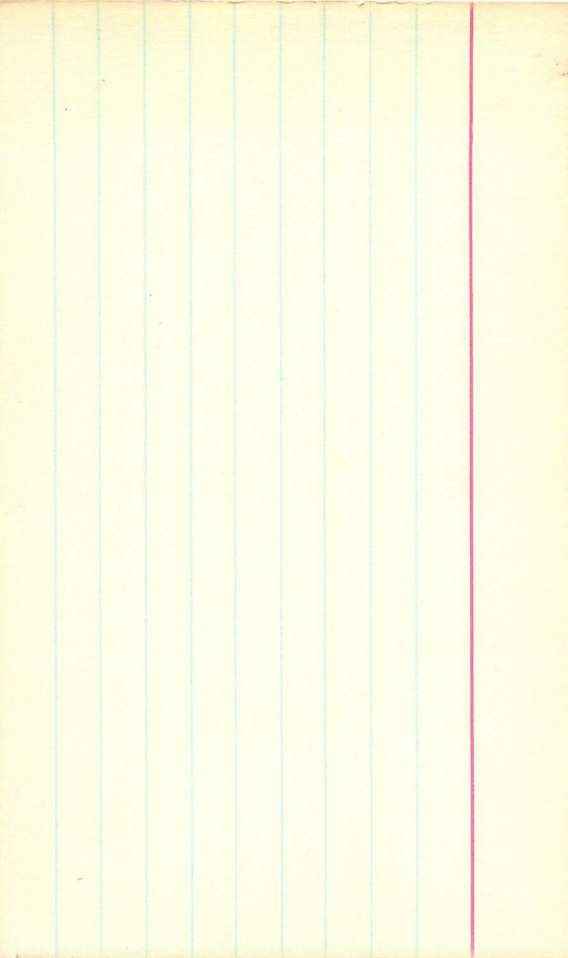
+0.054

21 Dec 67

177

71.36

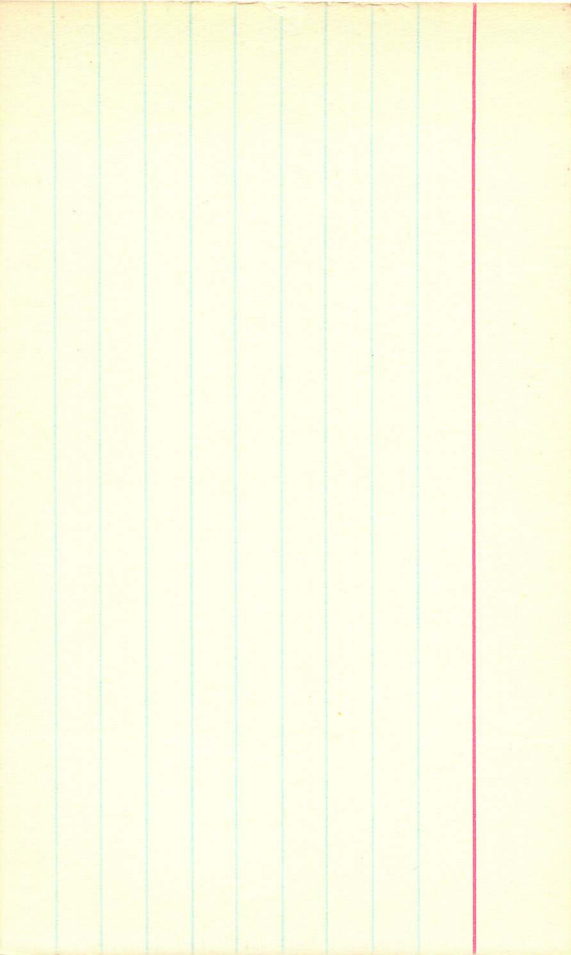
224



HN3316 8 23.1 -20 54 6.00 - F2-

5.63 +0.426 -0.840 -0.037 21 Aug 67

213 +74 133



HR 3318

8

19.8

-76.46

4.06 + 0.40

FL 10

4.03 + 403 -1.105 + 0.071 21 Dec 67

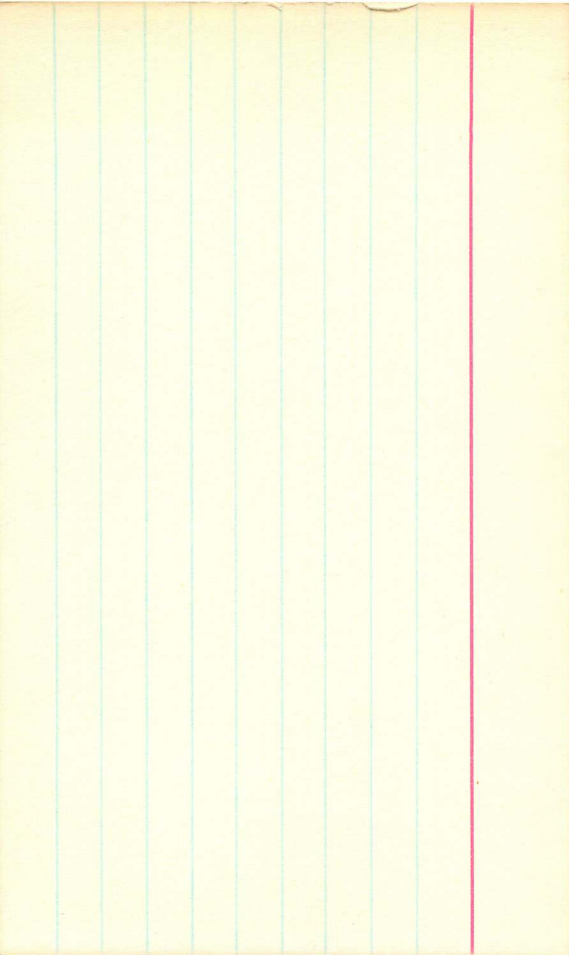
202 + 55 241

276 253

1381

+ 519

182



HN 3337

8

26.0

-2

21

6.38

+0.34

40

11m, 18"

$\Delta m = 0$

0.4

6.38

+0.419

-0.975

+0.017

21.46667

210

+68

187

251 1/2
148 1/2
148 1/2

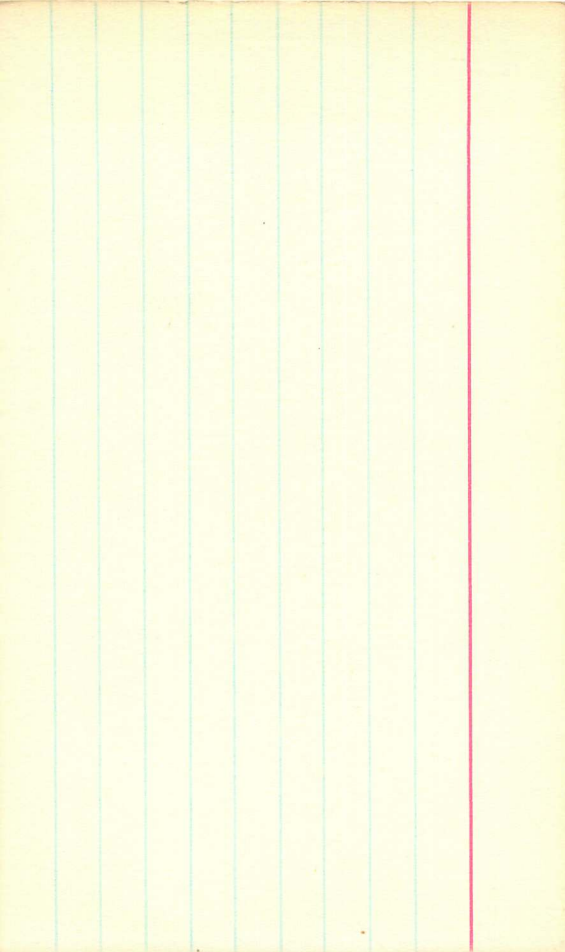
HR3350 8 26.2 -52 55 55.08 +0.35 dE3

7-0 +0.18

5.06 +0.425 -0.794 -0.040 21.8667

214 +40 130

198
992 142
908
194 +9



HR3374

8

30.3 -14 51

6.37 +0.28

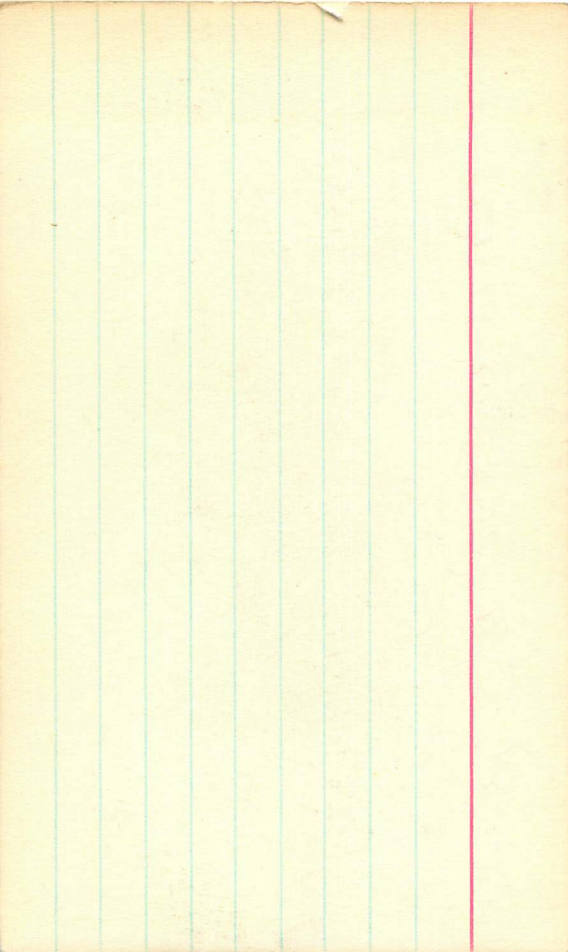
A5

6.37 +0.449 -0.887 -0.029 21 Dec 67

2nd

+79

141



3459

8

41.3

-7

03

4.63+0.83 G218

std

.519.289

.47410

c. 163

m. 183

(6.4)

4.86

+0.480

-1.172

+0.325

20 nov 67

4.50

+0.463

-1.167

+0.339

27 nov 67

4.45

+0.468

-1.134

+0.334

21 dec 67

468

-1.138

333

13

242

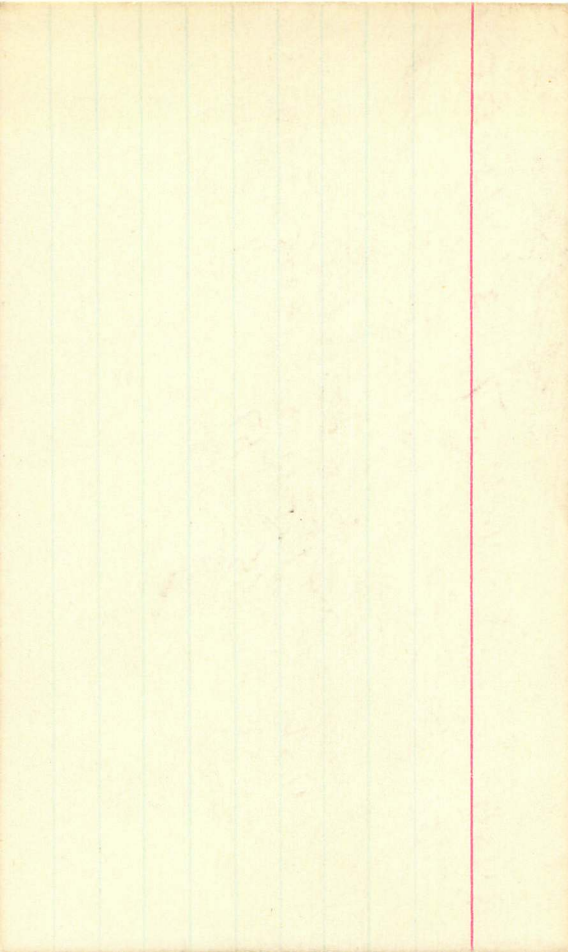
1503

1

1458

1

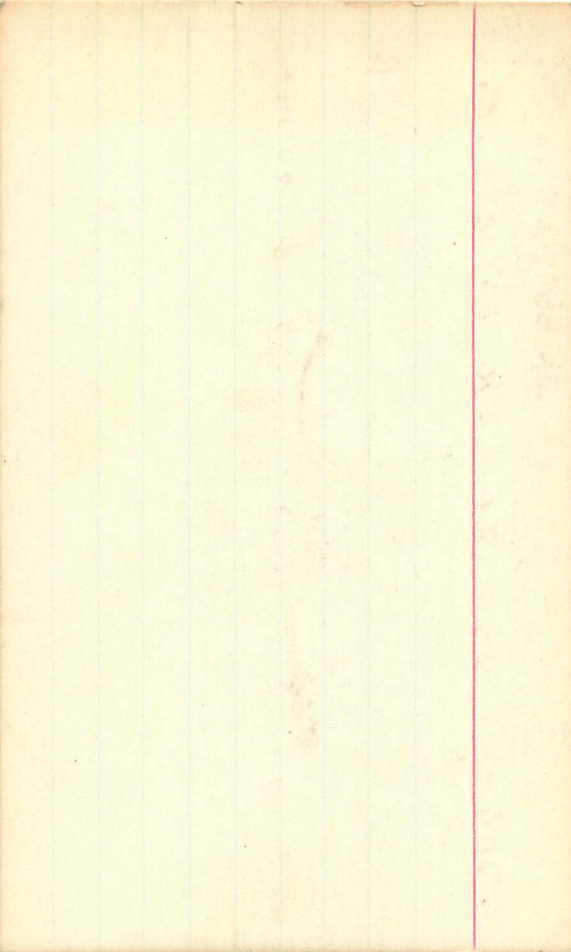
1



8709 22 52.0 -16 05 3,24+0.05⁻ Sir R. A34

m_1 c_1 $(b-z)$ 22700
+0.238 -0.550 -0.074

129
+1205



8911

23 24.4

+0 58 4.957005 Ap

-0.006.218 .875 ⑤

m, !

c, !

(d-y) !

+0.475

-0.791

-0.186

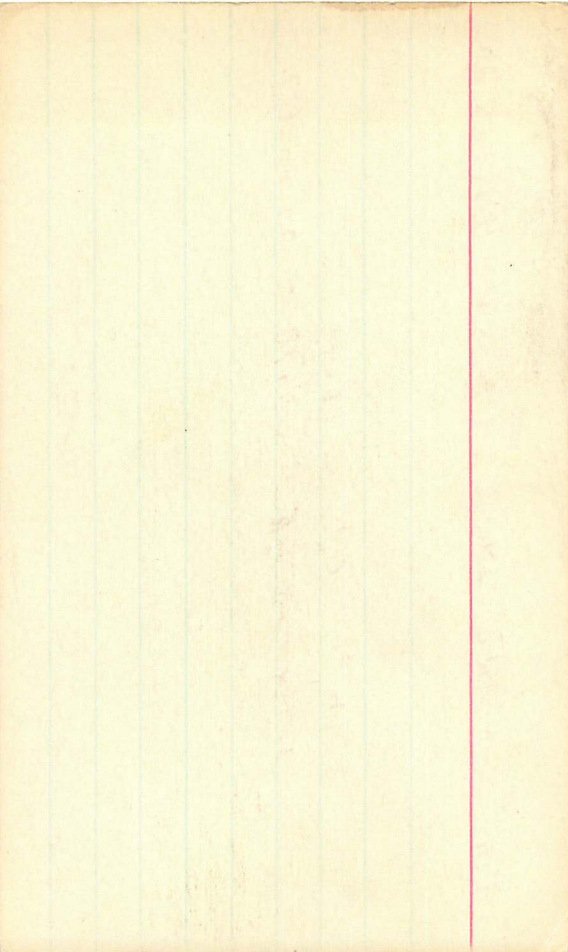
2225767

1998

99

911

9



9072

23 56.8

+6 35 3.95 F412

.266, 150 .630 (11)

m_1 c_1 (day)

+0.383 -1018

+0.09

22 20067

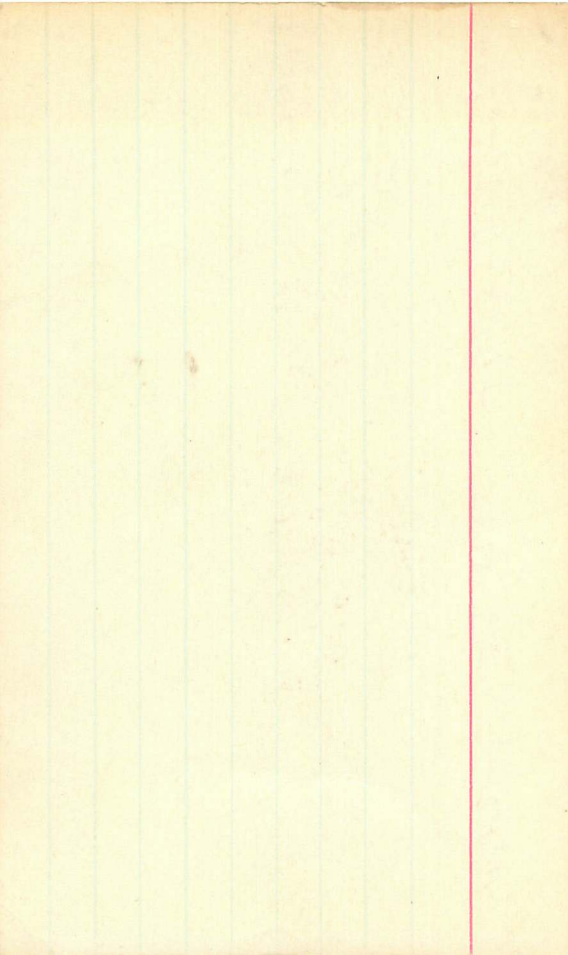
254

73

12.9

2

$b-y = (16-y)' + 0.170$ $c_1 = 1.206' + 1.85$



1481591

4

54.8

-1 10

6.23 F2

6.19 +395 -0.996 +0.086 211111111

+351 -0.978 +0.096 30 "

+0.092

6.19 +0.372 -0.986

1824

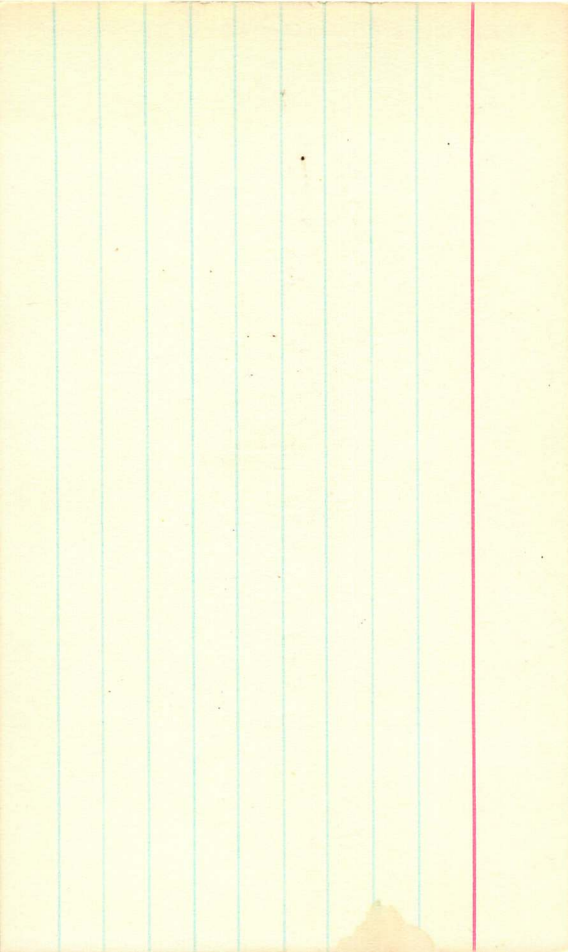
186

246

1232

1164

668



7.7
2.6

HR1604 5 56.8 -16 28 5.66+0.45^{df2}

$$\begin{array}{r}
 5.61 \\
 5.62 \\
 5.59 \\
 \hline
 5.61
 \end{array}
 \begin{array}{r}
 +0.321 \\
 +0.314 \\
 +0.310 \\
 \hline
 +0.317
 \end{array}
 \begin{array}{r}
 -1.147 \\
 -1.110 \\
 -1.120 \\
 \hline
 -1.126
 \end{array}
 \begin{array}{r}
 m_1' \quad c_1' \quad (8-y)' \\
 +0.1223102 \quad 56.4m'' \\
 \Delta m = 0.1'' \\
 +116 \\
 +119 \\
 \hline
 +116
 \end{array}
 \begin{array}{r}
 20 mvc7 \\
 27''''
 \end{array}$$

$$\begin{array}{r}
 158 \\
 138 \\
 \hline
 282
 \end{array}
 \begin{array}{r}
 282 \\
 408 \\
 \hline
 690
 \end{array}
 \begin{array}{r}
 1020 \\
 300 \\
 \hline
 1320
 \end{array}$$

